



SKILL VEDANTH
LEARN . BUILD . CONQUER

www.skillvedanth.com

FULL STACK WEB DEVELOPMENT WITH AI

DURATION: 3-4 MONTHS

From coding dynamic websites to integrating Gen AI – your 4-month journey to becoming a future-ready Full Stack Developer.





ABOUT US

Learn with purpose. Build with power. Conquer without limits. At Skill Vedanth, we're more than an edtech platform we're a launchpad for future innovators, doers, and leaders. We go beyond theory and certificates. Our model is built on practical learning, real-time projects, and industry relevance preparing you to thrive in the real world.

Mission:

To turn learners into creators through real world, hands-on learning. We're here to build confidence, not just skill sets.

Vision:

To redefine education by making it practical, personal, and powerful. We envision a future where every student learns by doing and leads with impact

Skill Vedanth empowers learners with practical skills, real-time projects, and expert guidance. We focus on industry-relevant learning that transforms education into employability, helping students grow with purpose, build confidence, and achieve career success beyond traditional boundaries.



Giridhar .T
(Co-founder & COO)

Introduction to Cloud Computing

Cloud Computing allows users to access and store data, applications, and services over the internet instead of a local computer. It offers scalability, flexibility, and cost-efficiency, enabling businesses to use computing resources on demand without maintaining physical hardware.



COURSE OUTLINE

- 01 Frontend Development
- 02 AI Integration
- 03 React.js & Modern Frontend
- 04 AI Features & Chatbots
- 05 Backend with Node.js
- 06 Full-Stack AI Project
- 07 Database Integration
- 08 Deployment & DevOps

LESSON PLAN:

FULL STACK WEB DEVELOPMENT WITH AI

Module 1 | Frontend Development Basics

04 Hours

Week 1 : HTML5 & CSS Mastery

- ▶ Semantic HTML
- ▶ CSS Flexbox & Grid
- ▶ Responsive Design
- ▶ DOM Manipulation & Events
- ▶ Fetch API
- ▶ Local & Session Storage

PROJECT : 1

Week 2 : React.js & Modern Frontend

- ▶ JSX, Components
- ▶ useState, useEffect
- ▶ React Router
- ▶ Context API
- ▶ useMemo, useCallback (Optimization)
- ▶ Redux Toolkit (Basic)

PROJECT : 2

```
File with retry 3g...
ies representing the inventory.
ails after multiple retries.
ulate error before actual write
():
(INVENTORY_FILE) not accessible for writing.")
line", encoding='utf-8') as csvfile:
', 'quantity', 'price_per_unit', 'last_updated']
s, fieldnames=fieldnames)
essfully to '(INVENTORY_FILE)'")
ventory (attempt (retries + 1)/(MAX_RETRIES)): (e)", "error")
occurred during inventory saving: (e)", "CRITICAL")
rying for unexpected errors
an (MAX_RETRIES) attempts. Data loss possible!", "CRITICAL")
a inventory to (INVENTORY_FILE) after (MAX_RETRIES) attempts.")
```



Module 2 | Backend with Node.js & SQL

05 Hours

Week 3 : Server Development Basics & Security

- ▶ Node.js Event Loop
- ▶ Express.js Routing & Middleware
- ▶ REST API Design
- ▶ JWT Authentication
- ▶ OAuth (Google, GitHub)
- ▶ Rate Limiting, CORS

PROJECT : 3

Week 4: Database Integration

- ▶ SQL + Sequelize ORM
- ▶ PostgreSQL / MySQL Setup
- ▶ Redis for Caching
- ▶ MongoDB (when & why to use)
- ▶ Performance Optimization

PROJECT : 4

Module 3 | AI Integration & Chatbots

05 Hours

Week 5 : AI APIs in Web Apps &Tensor flow

- ▶ OpenAI API (ChatGPT, DALL·E)
- ▶ Prompt Design Basics
- ▶ Rate Limiting & Caching
- ▶ TensorFlow.js in Browser
- ▶ Load Pretrained Models
- ▶ Image Classification / Face Detection

PROJECT : 5&6

Week 6 :AI Features & Chatbots

- ▶ Semantic Search
- ▶ Pinecone + Embedding Basics
- ▶ AI Recommendations & Personalization
- ▶ Chat UI + WebSocket (Socket.io)
- ▶ Intent Recognition Basics
- ▶ Multi-turn Chat Logic

PROJECT : 7&8



Module 4 | Full-Stack AI Project & Capstone

10 Hours

Week 7 : Full-Stack AI Project & Optimization

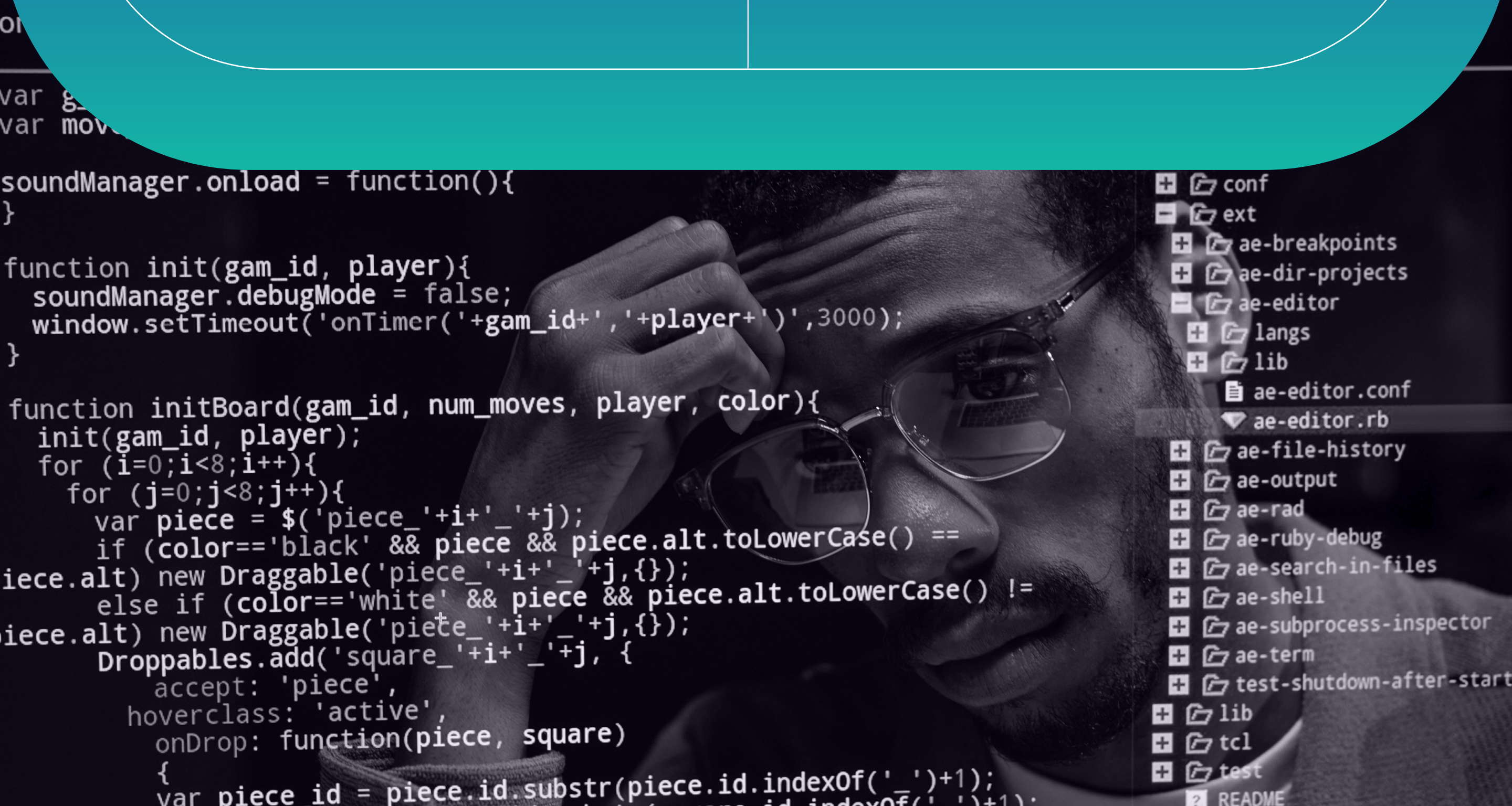
- ▶ Multi-Tenant Architecture
- ▶ File Upload + Processing
- ▶ Stripe Billing + Usage Tracking
- ▶ Lazy Loading, Code Splitting
- ▶ Caching with Redis
- ▶ Load Balancing (Concepts)

PROJECT : 9

Week 8 : Deployment & Capstone

- ▶ Docker Basics + Compose
- ▶ GitHub Actions for CI/CD
- ▶ Deploy to: Vercel (Frontend)
- ▶ Heroku / EC2 (Backend)
- ▶ SSL, Domain Setup

PROJECT : 10



Bridging Industry and Academia for the Future



01

Revolutionising the Way Students Learn & Grow

At Skill Vedanth we go beyond traditional EdTech. We blend education, experience, and exposure turning students into confident professionals ready for tomorrow's challenges.

02

Not Just Courses, But Career Ecosystems

Our programs are crafted with a single goal to build future-ready talent. From skill based learning to internship placements we provide a complete ecosystem of growth.

03

Personalized Partnerships, Not Generic Tie-ups

Every college we collaborate with us becomes part of our mission and co-creating customized training models that uplift both institutional excellence and student success.

Driven by Mentors, Backed by Industry

Skill Vedanth connects education with corporate insights. Our mentors are professionals who prepare students for real world scenarios, not just exams.

04

Creating Impact, Not Just Certificates

We measure success through student transformation, placement outcomes, and the value we bring to every campus we partner with.

05



“

Skill Vedanth – Empowering Institutions. Elevating Students. Enabling Futures.

”

Benefits After Joining Skill Vedanth

Joining Skill Vedanth helps you gain real-world skills through expert-led training, industry projects, and career-focused programs. It bridges the gap between academics and industry, preparing you for future-ready job opportunities and professional growth.

Industry-Aligned Learning

- Curriculum designed with inputs from top MNC professionals.
- Hands-on training aligned with real-world industry requirements.

Expert Mentorship

- Guidance from mentors with 8+ years of experience in leading companies.
- Personalized feedback and career advice.

Career Growth Opportunities

- Access to premium growth community after 3–4 months.
- Stipend-based internships and placement opportunities based on performance.

Skill Development

- Focus on practical skills required in both IT and non-IT roles.
- Exposure to modern tools, technologies, and methodologies.

Certifications

- Letter of Recommendation (LOR) based on performance.
- Course Completion Certificate approved by MCA, MSME, and Startup India.

Networking & Community

- Connect with industry professionals and like-minded peers.
- Opportunities to collaborate on projects and build a strong professional network.

Flexible Learning & Support

- Structured learning path with clear milestones.
- Continuous mentor and support team assistance throughout the program.

Holistic Career Preparation

- Resume building, interview prep, and soft skills development.
- Focus on making students industry-ready for various career paths.

Certificates



Course **Completion Certificate** from Skill Vedanth, officially approved by **MCA, MSME, and Startup India**, adding strong credibility and the national recognition to their profiles.

Along with this, learners who complete the internship phase earn an **Internship Completion Certificate** from our partnered companies, validating their real-world experience and project exposure.



Learners enrolled in the **Crash Course Program** will receive a Completion Certificate from Skill Vedanth, approved by **MCA, MSME, and Startup India**, recognizing their successful completion of the program and demonstrated mastery of essential concepts and practical skills.



COURSE OUTCOME

Academic & Skill Excellence

Strong foundation from basic to advanced concepts .In-depth industry knowledge aligned with current market trends.Enhanced technical & analytical problem-solving skills.Confidence to handle real-world business challenges independently.



Professional Development

Hands-on experience through minor & major projects.Portfolio-ready projects that can be showcased on LinkedIn, GitHub, or resumes. Dual certification advantage – from Skill Vedanth and partnered companies.Personalized feedback & mentorship from industry experts.



Recognition & Rewards

Top performers receive goodies, cashback, and exclusive opportunities. Eligible learners get Letter of Recommendation (LOR) from Skill Vedanth or partnered companies.Recognition as "Industry-Ready Professional" by Skill Vedanth



Long-Term Impact

Continuous access to learning resources and community support.Ability to lead projects, mentor peers, and drive innovation.Gateway to global job opportunities and entrepreneurship paths



Course Highlights

Skill Vedanth

Skill Vedanth's 4-month program transforms learning into career growth. Gain practical experience, complete real-world projects, and earn certifications approved by MCA, MSME, and Startup India. With expert mentors, portfolio building, and placement support, you'll graduate future-ready and career confident.

1st & 2nd Month: Learning & Foundation Building



Industry Knowledge Integration:
Real-time case studies & practical

Training by 8+ Years Experienced
Industry Mentors

10+ Practical Assignments for
hands-on learning

Assessments & Quizzes to
track learning progress

40+ Hours of Structured Learning
Content

From Basics to Advanced:
Step-by-step concepts designed
for all levels



3rd Month: Project Implement & Real-World Exposure

Focus: Apply Skills → Build Portfolio
Minor Projects to strengthen
understanding

Major (Capstone) Project aligned
with real-world business
challenges

Course Completion Certificate from Skill
Vedanth (Approved by MCA, MSME, &
Startup India)

Internship Completion Certificate from
Collaborated Companies

Letter of Recommendation (LOR) for
outstanding performers

4th Month: Career Acceleration & Placement Readiness



100% Placement & Paid Internship
Assistance

Final Evaluation Exam by Skill Vedanth

Rewards for Top Performers: Goodies,
Cashback, & Exclusive Opportunities

Resume & LinkedIn Profile Building

Mock Interviews & Interview
Preparation

Career Counseling & Portfolio
Development

TOOLS YOU WILL LEARN



Our Alumni work at



The Most In-Demand Career Field

Over the next 5 years, the global job market in Full Stack Web Development and Generative AI is projected to create over 1 million new career opportunities, spanning roles such as Full Stack Developers, AI-Powered Web Developers, Frontend and Backend Engineers, Automation Specialists, and AI Integration Experts.

SKILLS YOU LEARN

- ▶ Full-Stack Web Development
- ▶ JavaScript & Modern Frameworks
- ▶ Backend Engineering & API Development
- ▶ Database Management (SQL & NoSQL)
- ▶ AI Integration & Prompt Engineering

- ▶ TensorFlow.js & Browser ML
- ▶ Chatbot & Voice Assistant Development
- ▶ Cloud Deployment & DevOps
- ▶ Performance Optimization & Scalability
- ▶ SaaS & AI Product Development



POTENTIAL JOB ROLES

Full Stack Developer, Frontend Developer (React.js), Backend Developer (Node.js / Express), AI Integration Engineer, Chatbot Developer, Web Application Developer, Software Engineer – AI Tools, MERN Stack Developer, Cloud & DevOps Associate

Success Stories from those who've launched

Skill Vedanth turned my learning into real experience. The mentors explained every concept with patience, and the practical projects made a huge difference. I finally understand how to apply what I learn in real-world scenarios.



Sneha R.

– B.Tech (CSE) Student,



Priya S.

– MBA Student

What I loved most about Skill Vedanth is how every session connected with real industry problems. The live projects, discussions, and case studies gave me the clarity I needed to move forward in my career.



Arjun M.

– Data Science Learner

The mentor support at Skill Vedanth is unmatched. They guided me through every challenge and helped me build a strong portfolio. Thanks to their training, I cleared my first interview with full confidence



Kiran V.

– Final Year Engineering

Completing the Skill Vedanth program was one of my best decisions. The certifications, internship, and constant mentor feedback helped me grow in skills and confidence. I now feel truly career-ready.



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Contact & Support

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