

# Aman Yadav

## Software Engineer | Full Stack | AI/ML | App Development

VIT Vellore, Tamil Nadu • amanytests01@gmail.com • +91 9785177731

[github.com/aman-yadav13](https://github.com/aman-yadav13) [linkedin.com/in/aman-yadav13](https://linkedin.com/in/aman-yadav13)

### PROFESSIONAL EXPERIENCE

#### Frontend Developer Intern | Auxplutes Tech Private Limited

JUNE 2024-December 2024

##### Founding Employee

Designed and developed a scalable AI-driven business analytics platform from the ground up using React.js and Typescript.

- Built an AI-Powered No-Code Workflow Builder, automating 80%+ of manual processes and enabling seamless business operations.
- Developed Secure Role-Based Access & Onboarding, reducing setup time by 40% while enhancing data security and access control.
- Debugging Engineered a Custom Calendar System with Google integration, optimizing scheduling efficiency by 3x through automated event handling.

#### Full Stack Developer Intern | White Coast Security

December 2023-February 2024

Collaboratively developed the White Coast Security website, providing comprehensive security solutions with a modern Web3 UI.

- Developed a Web3-Enabled Security Platform, collaborating on a multi-section website with a modern UI to showcase security solutions.
- Integrated Automated Email Communication, enhancing client interactions and streamlining inquiries.
- Contributed to Security Tech & Training Modules, helping deliver cutting-edge security solutions with global reach.

### PROJECTS

#### Zenthrral – AI-Powered Cloud IDE

A next-gen AI-powered cloud IDE offering instant coding, real-time collaboration, and scalable development with low-latency execution.

- Engineered a high-performance cloud IDE with AI-assisted terminals, intelligent code suggestions, and automated debugging.
- Designed a scalable infrastructure with GKE-powered cloud VMs (32 cores, 64GB RAM) for seamless development.
- Enabled real-time collaboration, instant code execution, and efficient file management in an intuitive interface.

#### Instant Loan Approval Platform

An AI-driven instant loan approval platform with secure document processing, real-time fraud detection, and intelligent credit scoring for lenders.

- Built a Secure & Scalable Platform using Next.js & AWS S3, ensuring cryptographic storage & retrieval of user documents.
- Automated Document Processing with an OCR pipeline & NLP-based entity extraction, enabling instant validation & fraud detection via an AI-powered model.
- Developed an Intelligent Loan Scoring System, leveraging graph-based anomaly detection, Bayesian networks, and deep learning models to assess creditworthiness with real-time risk analysis for lenders.

### PUBLICATIONS

#### The Role of Machine Learning Algorithms in Stock Market Prediction: A Performance Analysis

This work highlighted advancements in machine learning for financial forecasting and contributed to interdisciplinary knowledge sharing.

### EDUCATION

Bachelor of Computer Science, VIT Vellore, 2022-2026

CGPA: 9.54

Senior Secondary – Science Math, Defense Public School, 2022

Percentage: 94.4

### SKILLS

**Languages:** Typescript, JavaScript, Python, C++, Java, SQL, HTML, CSS, Bash

**Frontend Development:** React.js, Next.js, React Native, Redux, Tailwind CSS, Bootstrap, Material UI, Ant Design, Shadcn UI, jQuery, Chart.js, Three.js

**Backend Development:** Node.js, Express.js, GraphQL, REST APIs, MongoDB, MySQL, PostgreSQL, Prisma, Firebase, AWS (S3, Lambda, EC2), WebSockets

**Machine Learning & AI:** Tensorflow, PyTorch, Scikit-Learn, OpenCV, NLP (Hugging Face), LLMs (GPT), Transformers, Deep Learning, Data Preprocessing, Model Deployment

**DevOps & Cloud:** Docker, Kubernetes, Github Actions, CI/CD, AWS, Nginx, Cloudflare, Vercel

**Tools & Platforms:** Git, Github, Postman, Figma, Linux, VS Code

**Additional Expertise:** Full-Stack Development (MERN), App Development, Microservices, Distributed Systems, Web Security, Performance Optimization, Software Engineering, Data Analytics, Data Structures & Algorithms