

# Amit Patil

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## SUMMARY

B.Tech graduate in Artificial Intelligence and Data Science with hands-on full-stack development experience. Proficient in C, C++, Java, Python, JavaScript, React.js, Node.js, Flask, REST APIs, SQL NoSQL databases. Experienced with Tailwind CSS, CI/CD pipelines, Git version control, and agile team collaboration. Skilled in developing scalable applications, integrating APIs, building AI-driven solutions, and debugging complex problems. Passionate about delivering practical software solutions and AI-based applications.

## TECHNICAL SKILLS

Programming Languages:	C, C++, Java, JavaScript, Python
Web & Frameworks:	React.js, Next.js, Node.js, Flask, Tailwind CSS
Databases:	MySQL, PostgreSQL, MongoDB, Firebase
Machine Learning & Data Science:	TensorFlow, scikit-learn, Pandas, NumPy, OpenAI API
Tools & Platforms:	Git, GitHub, VS Code, Android Studio, Vercel, npm
Core Concepts:	OOP, REST APIs, Backend Development, SDLC, ORM, Debugging, CI/CD

## EXPERIENCE

### Full Stack Developer Intern – Kali-Byte Solutions

Built and deployed full-stack web applications with React.js, Node.js, SQL and NoSQL. Developed RESTful APIs to enable smooth data exchange and faster performance. Worked in an agile team, using Git for version control and CI/CD for deployments. Created responsive, user-friendly interfaces with Tailwind CSS.

## PROJECTS

### AI-Powered Faculty Monitoring Dashboard

2024

*Tech: Next.js, React, TypeScript, Tailwind CSS, Drizzle ORM, PostgreSQL, Neon Database, Tremor, Recharts, Zod, PDFMake, jsPDF, npm*

Developed a full-stack platform to monitor faculty performance using sentiment analysis. Built automated report generation features and integrated frontend components with Tailwind CSS.

### Energy Consumption Forecasting Portal

2024

*Tech: Python, Flask, scikit-learn, TensorFlow, Streamlit, Plotly*

Created a web application to forecast energy consumption using machine learning models. Developed an interactive dashboard using Plotly and implemented backend APIs with Flask.

### Product Recommendation System Using AI

2025

*Tech: React, JavaScript, CSS3, Node.js, Flask, OpenAI API*

Built an AI-based product recommendation system using collaborative and content-based filtering along with OpenAI API. Developed responsive frontend with React.js. Deployed the application on Vercel and implemented unit testing using Jest.

## EDUCATION

### B.Tech – Artificial Intelligence & Data Science

Aug 2022 – Jun 2025

DKTE Society's Textile & Engineering Institute, Ichalkaranji — CGPA: 8.20

### Diploma – Computer Science & Engineering

Jun 2019 – Jun 2022

Government Polytechnic Miraj — Percentage: 88.60%

## CERTIFICATIONS

Java – IIT Bombay (Spoken Tutorial), Cyber Security – NPTEL (May 2024)

