ABHAY TIWARI
FULL STACK DEVELOPER

📍 Hyderabad, Telangana 📞 +91 9959387944 ✉ Email GitHub in LinkedIn 🔗 Portfolio

SUMMARY

Strong foundation in computer science fundamentals, scalable application design, and modern web development. Skilled in JavaScript, Python, React.js, Node.js, Angular, and C++, with hands-on experience in building efficient, reusable, and user-focused applications. Proficient in back-end development using Express.js and Django, and front-end architecture with React and Tailwind CSS. Experienced in integrating AI models and intelligent agents into web platforms. Known for delivering clean, maintainable, and high-performance code with a product-oriented mindset.

TECHNICAL SKILLS AND INTERESTS

- **Programming Languages:** Python, C, C++, Java, JavaScript
- **Frontend:** ReactJS, NextJS, Angular, Redux, React Native, HTML, CSS, Tailwind CSS, Bootstrap
- **Backend:** Node.js, Express.js, Flask, REST APIs, MySQL, PostgreSQL, MongoDB, Supabase
- **DevOps:** Git, GitHub, Docker
- **Data Engineering:** Artificial Intelligence, Prompt Engineering, NLP, LangChain, LLMs, RAG Pipelines, Vector Databases, DSA
- **Core CSE Concepts:** Data Structures and Algorithms, OOPs, Operating Systems, DBMS, Computer Networks

EDUCATION

Vellore Institute of Technology, Chennai	Aug 2023 – Jul 2027
B.Tech Computer Science (AI & ML)	CGPA: 9.29
Sri Chaitanya Junior Kalasala, Hyderabad (12th)	Jun 2021 – May 2023
Board of Secondary Education Telangana – 98.9%	
Shloka CBSE School (10th)	Apr 2020 – May 2021
Central Board of Secondary Education – 93.8%	

WORK EXPERIENCE

Software Development Intern — Bluestock Fintech	May 2025 – June 2025

- Co-led development of Bluestock IPO Tracker, a full-stack platform using React + Tailwind and Django REST APIs with PostgreSQL backend.
- Implemented JWT authentication, real-time token handling, and secure session management.
- Designed admin panel for managing IPO company listings and DRHP/RHP document uploads.

Web Developer Intern — The Sparks Foundation	July 2024

- Developed a Basic Banking System using SQL, Express.js, and HTML.
- Designed customer and transaction database schema and built secure REST API endpoints.
- Created responsive HTML interface for customer transactions and account management.

PROJECTS

Healthcare Management for Doctors ↗ (ExpressJS, NodeJS, MongoDB, Docker, AI Chatbot)

- Developed a secure full-stack healthcare platform supporting patient record management, appointment scheduling, and role-based access control using Express.js and MongoDB.
- Designed scalable REST APIs and responsive EJS-based UI to enhance usability and backend efficiency.
- Integrated AI chatbot and containerized deployment using Docker for scalable and portable application hosting.

Car Finder Web App ↗ (React.js, Node.js, MongoDB, REST APIs, CSS)

- Built a responsive vehicle discovery platform with real-time filtering, wishlist tracking, and optimized search experience.
- Developed reusable React components with animation support and scalable Node.js REST backend integrated with MongoDB.
- Implemented asynchronous API handling and UI optimization techniques improving system responsiveness and user interaction.

Real-Time Logistics ML Pipeline ↗ (Python, Apache Kafka, Machine Learning, Flask APIs, Docker)

- Engineered real-time ML pipeline using Apache Kafka for logistics data ingestion, anomaly detection, and predictive maintenance forecasting.
- Designed monitoring dashboard visualizing risk probability, anomaly score, and operational fleet analytics.
- Deployed ML inference using Flask APIs and Docker-based containerization enabling scalable real-time processing.

EXPERIENCE AND ACHIEVEMENTS

Certifications
- Generative AI with Watsonx – IBM (2025)
- Oracle Certified Cloud Database Services (Oct 2025)

Hackathons
- Frontend Battle 2.0 (IIT Bhubaneswar, Finalist) — Developed optimized and responsive frontend UI solution.
- Sustainovate Hackathon — Secured 5th position by building a blockchain-based decentralized application.
- Tutedude Buildathon 2025 – Built BloodConnection AI donor-matching platform with scalable backend APIs.

CODING PROFILE

LeetCode: Solved 500+ Problems