Aman Maurya

📞 +916394464742   ✉ amanmaurya3721@gmail.com   🌐 Portfolio
in LinkedIn   � Github   </> LeetCode   🖳 GeeksforGeeks

Education

Indian Institute of Information and Technology Kottayam Kerala (IIIT Kottayam)   **2022 - 2026**
B.Tech in Computer Science & Engineering with specialization in Cyber Security   *CGPA: 8.14/10*

Experience

iNAK Animation Studio Pvt. Ltd.   **Jan 2025 - June 2025**
Software Development Intern (MERN Stack, DevOps, Agile Methodologies, Git/Github)   *Remote*

- **Technologies used:** React, Redux, Nodejs, Javascript, Docker, Jenkins, Kubernetes
- Migrated old PhP codebases to modern MERN stack, improving scalability and maintainability by 40%.
- Containerized microservices with Docker and worked closely with QA teams to establish Jenkins-based CI/CD pipelines with automated testing, reducing deployment time by 30%.
- Partnered with designers and developers to deliver features on time, enhancing project efficiency by 25%.
- Worked closely with a 10-member team using Git and branching strategies to streamline collaboration.

Technical Skills

Languages: C++(OOP), JavaScript, Python, Java
AI/ML: LangChain, Vector Databases, RAG Pipelines, ML Algorithms
Frontend: React.js, Redux Toolkit, Next.js, HTML, CSS, TailwindCSS
Backend: Node.js, Express.js, Fast Api, Flask, Firebase
Databases: MongoDB, MySQL, Firebase, Postgres
DevOps: AWS, Docker, Kubernetes, Jenkins, Git, GitHub, Linux
Testing & Tools: Jest, Postman, Unit Testing, Integration Testing

Projects

Collaborative Code Editor : Monaco, Yjs, WebSocket, Docker   Source Code

- Built a real-time collaborative code editor with Web socket, Monaco Editor, Yjs, and secure authentication.
- Implemented WebSocket-based multi-user code editing and live collaboration for 10+ concurrent users.
- Dockerized isolated shell environment for secure, sandboxed code execution for multiple users in a code room.
- **Features:** Multi-file support, Yjs Connection, Secure authentication, Room Creation, Code Execution Shell

Pocket Pulse 2.0 : A Transaction Record Web App Project with MERN stack.   Live Link

- Built a MERN-based money management app (like KhataBook) with 2 way transaction record updates.
- Integrated a Flask-based predictive model using 7 key features from MongoDB to estimate user payment reliability.
- Improved prediction accuracy by retraining with real user data, boosting reliability estimates for 100+ users.
- **Features:** End-to-end transaction History, Debt tracking, Reminders and payment reliability ratings.

OptiTask : Automated Employee Task Assignment System Using Gemini Model.   Live Link

- Developed an AI-powered task assignment app using Gemini LLM model to allocate tasks for 50+ employees based on skill sets and tech stack.
- Enabled task monitoring for managers and skill-based task views for 100+ developer tasks.
- **Features:** Implemented manager and developer dashboards, Skill-based task allocation, Resume-based skill extraction, and progress tracking for 100+ active tasks.

Achievements & Certifications

- Leading my final year **BTP Project** team at **IIIT Kottayam**, with timeline management, and technical deliverables.
- Solved more than 300 Data Structures Algorithm problems on **Leetcode** and **GFG** backing my Analytical and Problem solving skills.
- Completed a **Full-Stack Generative & Agentic AI in Python** course on Udemy, covering Docker, Pydantic, LangChain, LangGraph, RAG Pipelines, AI Agents, and MCP.   **View Certificate**
- Earned a **React.js certificate** from **Scaler Academy** after completing 48 lectures, 10 modules, and 10 challenges, strengthening frontend development skills.   **View Certificate**