

VIJAY MAURYA

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Education

Bundelkhand Institute of Engineering and Technology Jhansi
Bachelor of Technology in Information Technology

10/2021 - 06/2025
CGPA: 8.2

Experience

Full Stack Developer (6 Months) – CMT AI, Completrix Microtechnologies Pvt. Ltd.

- **Increased system performance by 25%** through optimized frontend rendering and efficient MongoDB query handling.
- **Built a multi-vendor** diamond management system processing **30k+ records via CSV, HTTP, FTP, and manual ingestion** with **automated hourly updates**.
- Integrated **OpenAI APIs** to auto-generate **1,000+ AI-based resumes** and added **secure payment gateways**, increasing transaction success rate by 15%.
- Deployed and monitored applications on **AWS, Firebase, and Vercel**, maintaining 99.9% uptime and **accelerating CI/CD by 30%**.
- **Delivered 5 production-ready applications in e-commerce, education, and recruitment**, enhancing backend throughput and frontend responsiveness.

Projects

HousePlansFiles – MERN, AWS, Tailwind [Github](#) [Preview](#)

- Developed a **role-based e-commerce system** where architects and sellers can **upload** and sell **2,000+ house plans**.
- Integrated **Razorpay, PayPal, and PhonePe payment gateways**, boosting transaction stability by **20%**.
- Enhanced **AWS S3 storage** and **MongoDB indexing**, reducing page load time by **35%**.

Teacher Job Portal – MERN, AWS, OpenAI [Github](#) [Preview](#)

- Created a **teacher recruitment platform** connecting **500+ educators and institutions** with **automated interview scheduling** and offer workflows.
- Reduced manual resume editing effort by **60% using OpenAI-powered** enhancement tools.
- Deployed on **AWS with auto-scaling setup** for consistent **performance under varying traffic loads**.

Craritic Diamond Platform – Next.js, Express.js, Cron Jobs, AWS, MongoDB [Github](#) [Preview](#)

- Engineered a **multi-vendor diamond marketplace** enabling sellers to upload inventory through manual entry, **CSV, HTTP, or FTP integrations**.
- Designed a **dynamic data-mapping** engine allowing admin to align each seller's custom fields to **75+ standardized diamond** attributes for consistent backend processing.
- Automated hourly inventory synchronization using **Cron Job Scheduler**, ensuring real-time updates across sellers via **Express.js REST APIs and Next.js** frontend.

Certificate and Achievement

- Successfully completed a 6-month **Data Structures and Algorithms (DSA)** course from **GeeksforGeeks**
- Achieved a **maximum rating of 1600** on **LeetCode** and earned a **3-Star rating on CodeChef**.
- Solved **400+ problems on LeetCode** and **250+ problems on GeeksforGeeks**.
- Ranked in the **top 1% among 1,200+ participants** in weekly coding contests, highlighting exceptional analytical.

Technical Skills

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|---------------------------------|--|
| • Strongest Area | Data structures and Algorithms design |
| • Web Development Skills | HTML, CSS, JavaScript, ReactJs, Nextjs, NodeJs, ExpressJs, MongoDB, SQL, React Redux |
| • Programming Languages | C, C++, Python(Basic), JavaScript(Basic) |
| • Computer Fundamentals | Database Management System, Operating System, Computer Networks, OOPs |
| • Technical Tools | GitHub, PostMan, VS Code, Jupyter ,AWS,Cloudinary,Firebase |

Additional Details

- Founding Member of the Coding Club - **The Syntax Society**.
- Advisory Board Member of the **Student Council of Information Technology**.