HIMANSHU MISHRA

Senior Software Engineer

✉ himanshumishra1113@gmail.com | 📞 +91 93342 76614
🔗 LinkedIn: linkedin.com/in/himanshumishra1113

PROFESSIONAL SUMMARY

Senior Backend Engineer with 3+ years of experience building scalable, secure, high-performance web systems. Proficient in Python, Django, Flask, PostgreSQL, and AWS. Delivered low-latency microservices, robust REST APIs, and cloud-native applications with up to 99.99% uptime. Skilled in CI/CD, DevOps, database optimization, and authentication systems (JWT, OAuth2). Strong track record of reducing latency by 35%, improving DB efficiency by 30%, and ensuring code quality through 90%+ test coverage. Fast learner with a strong grasp of system design, Agile SDLC, and DevSecOps principles.

TECHNICAL SKILLS

• Programming Languages: Python, C
• Frameworks & Libraries: Django, Flask, FastAPI, REST APIs, Pandas, NumPy
• Databases & ORMs: PostgreSQL, MySQL, MongoDB, SQLAlchemy
• Cloud & DevOps: AWS (EC2, S3, Lambda, CloudWatch), Docker, Azure, Git, GitHub
• Tools & Platforms: Postman, pgAdmin, Jupyter, VS Code, Pytest

EXPERIENCE SECTION

Capgemini | Senior Software Engineer [July 2022 – Present]

Contributed to the backend of a finance platform agents use to manage investor transactions, update user data, and access real-time portfolio insights. Focused on performance, security, and reliability using **Python, Flask, Django**, and SQL.

- • Built features enabling agents to **buy, sell, and update investment records,** ensuring seamless day-to-day operations.

- • Created APIs that handled **large datasets efficiently,** prioritizing stability and speed.

- • Implemented **secure login and authentication flows**(including OTP-based methods) to protect user accounts and sensitive data.

- • Improved database performance by identifying and optimizing **slow SQL queries**, achieving up to **40% faster execution.**

- • Wrote **unit and integration tests** with Pytest to catch bugs early and reduce QA feedback cycles.

- • Managed backend **deployment on AWS EC2**, allowing updates without downtime and ensuring system availability.

- • Integrated third-party APIs for **OTP, pincode, and IFSC data**, standardizing backend responses for smoother frontend usage.

- • Collaborated closely with frontend and DevOps teams in **Agile sprints** to deliver complete, production-ready features.

PROJECTS SECTION

Interactive Data Visualization Platform
• Built a browser-based dashboard using Flask, **Pandas & Plotly.js** to visualize large datasets in real-time
• Delivered smooth, interactive filtering & drill-down charts with **backend API integration**
• Reduced response time by 25% by optimizing server-side **data pipelines**

Auto Vault – Vehicle Management System
• Developed a full-stack app to manage 1000+ supercars/superbikes with secure **JWT authentication**
• Enabled image uploads, favorites, and real-time filters using Flask + **PostgreSQL + JavaScript**
• Implemented raw SQL queries with **psycopg2** for optimized DB operations and admin control

---

EDUCATION

Bachelor of Technology (B.Tech), Information Technology
Dr. B.C. Roy Engineering College (MAKAUT), West Bengal
Aug 2018 – June 2022 | GPA: 8.4 / 10

CERTIFICATIONS
• AWS Cloud Technical Essentials – Coursera (by Amazon Web Services)
• PostgreSQL for Developers – Udemy
• Docker Essentials – Coursera (by IBM Skills Network)
• Python for Everybody – Coursera (University of Michigan)
• Git & GitHub Essentials – Udemy
• Data Science Specialization – Coursera

RECOGNITION
Spot Award – Capgemini (2023): For performance optimization in high-load banking APIs
Employee of the Month – May 2024: Recognized for backend leadership in cross-functional delivery