SHASHANK PANDEY

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ABOUT

Backend Software Developer focused on building scalable APIs and production-grade systems. Experienced in designing authentication, RBAC, and payment-driven platforms deployed on cloud infrastructure using Docker and CI/CD workflows. Passionate about backend architecture, system reliability, and real-world deployment engineering.

EDUCATION

B.Tech in Computer Science and Engineering, Lovely Professional University   2023 – 2027 (Expected)
CGPA: 7.64
Core Focus Areas: Backend Systems, API Design, Databases, Operating Systems, Computer Networks

SKILLS

Programming Languages	Python, C/C++, PHP
Backend	FastAPI, Flask, Node.js, REST API Design, Authentication, RBAC
Databases	MongoDB, PostgreSQL, MySQL
Cloud & DevOps	Docker, Git, CI/CD, AWS (EC2, S3, SES), Cloudflare, Linux
Frontend	React, Next.js, HTML, CSS, Tailwind CSS

EXPERIENCE

Python Full-Stack Developer (Backend-Focused)   May' 25 – Oct' 25
FounDev Studio

- Built and maintained backend services powering paid production platforms handling authentication and payment workflows.
- Designed and implemented RBAC systems across multi-tenant dashboards and APIs.

AWS Cloud Captain   Feb' 25 – Present
AWS Cloud Club at Lovely Professional University

- Designed and operated a production platform supporting campus events with authentication, RBAC, and secure payment processing.
- Implemented transaction validation and failure-handling workflows ensuring reliable registrations during peak traffic.

PROJECTS

Campus Operational Platform [(awslpu.in)](awslpu.in)
Tech: FastAPI, Next.js, MongoDB, Docker, AWS EC2, Cashfree

- Designed and operated a production platform with authentication, RBAC, and secure payment processing, ensuring reliability during peak usage.

Automation & Access Control System [(cyni.quprdigital.tk)](cyni.quprdigital.tk)
Tech: FastAPI, MongoDB, discord.py, Cloudflare

- Architected backend services with async job processing and session-based access control supporting 5k+ registered users.
- Implemented role-based permissions and abuse-prevention mechanisms for real-time dashboard integration.