

Akshit Sahore

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EDUCATION

Guru Nanak Dev University <i>B.Tech in Computer Science</i>	2024 – 2028
Indian Institute of Technology Madras (Online) <i>B.S. in Data Science</i>	2024 – 2027

EXPERIENCE

NV Global Tech <i>Software Engineer Intern (Full Stack)</i>	Remote Sept 2025 – Feb 2026
<ul style="list-style-type: none">– Designed and built a secure OTP/email authentication system in Django Rest framework with hashed tokens, transactional locking, attempt limits, cooldown controls, and secure Twilio SendGrid SMTP integration to prevent brute-force and replay attacks.– Architecting a Razorpay payment gateway and subscription system, modeling plan tiers and lifecycle states using cron Jobs, integrating webhook verification, and ensuring atomic, idempotent payment-to-subscription activation.– Mentored a junior developer and transferred ownership of the authentication module by refactoring components and documenting system architecture for long-term maintainability.	

PROJECTS

HostelNET - Virtual Hostel Room Allotment System. <i>Tech Stack: Django, GO(Gin), FastAPI, Ngnix, Docker</i>	Live Link Repo Link
<ul style="list-style-type: none">– Built a microservices-based hostel allocation platform separating authentication (Django) and room allocation logic (Go), improving modularity and independent service deployment.– Implemented JWT-based role authentication for University Admin, Hostel Admin, and Students with secure API access control.– Designed an automated priority-based room allocation engine in Go to replace manual allotment workflows and reduce administrative effort.– Containerized services using Docker and configured Nginx for reverse proxy and service routing.	
TECHSPARK – UNIVERSITY EVENT MANAGEMENT SYSTEM <i>Tech Stack: Django, HTML, Tailwind CSS, Render</i>	Live Link Repo Link
<ul style="list-style-type: none">– Developed a role-based event management portal with multi-level staff approvals to streamline event verification workflows.– Integrated Razorpay payment gateway with webhook validation to enable secure student registrations.– Designed department-level RBAC permissions to prevent unauthorized access and reduce manual coordination.	

TECHNICAL SKILLS

Languages: Python, C++, Go, JavaScript
Backend: Django, Django Rest Framework, FastAPI, GIN, React.js, Next.js
Databases: PostgreSQL, MySQL
Tools: Docker, Git, Linux, Kafka, Ngnix

ACHIEVEMENTS

- 1.) Top 10 Shortlisted Project, GDG On Campus — HostelNET; solution reviewed by event organizers and recognized for strong problem relevance and real-world applicability
- 2.) Open source contributor(SWOC-26) - Improved backend scalability and reliability by implementing deterministic pagination with stable ordering and request limits, adding centralized exception handling with standardized JSON errors and structured logging, and optimizing query/index paths to ensure predictable performance at scale; all changes merged after maintainer review