SHYAM
Full Stack Engineer

shyamrathore013@gmail.com — GitHub — maangroute.dev — Uttar Pradesh, India

Professional Summary

Full Stack Engineer with experience building production web applications using TypeScript, React, and Python. Built and maintained applications serving 150+ active users with hands-on experience across frontend development, backend APIs, databases, and deployment.

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, C++
Frontend: React, Next.js 14, Tailwind CSS, ShadCN UI, Zustand
Backend: Node.js, REST APIs, Authentication, Background Jobs
Databases: PostgreSQL, Prisma ORM
DevOps/Cloud: Docker, GitHub Actions, AWS, Linux, MacOS
Core Concepts: System Design, Distributed Systems fundamentals, CI/CD, API design

Professional Experience

AI Engineer Intern (Software Engineering) — YoLearn.ai   *Oct 2024 – Present*
- Built autonomous agent workflows using Python to coordinate 100+ tools through REST APIs and background services.
- Designed orchestration pipelines with task scheduling, retry mechanisms, and failure handling.
- Selected through national-level hackathon evaluation for system design and automation solution.

Associate System Engineer (Backend / DevOps) — MAQ Software   *Aug 2024 – Oct 2024*
- Automated CI/CD pipelines using Azure DevOps for build, test, and deployment automation.
- Developed and deployed Power BI dashboards serving 200+ users with scheduled data refresh and monitoring.
- Collaborated with cross-functional teams to design data models and visualization workflows.

Associate Software Engineer (Full Stack) — Better Software   *Jul 2024 – Aug 2024*
- Developed and deployed frontend and backend features using React and REST APIs in production environments.
- Supported production deployments and resolved bugs through logging, debugging, and root cause analysis.
- Participated in peer code reviews and followed version control best practices using Git.

Java Developer Intern (Backend) — TPF Technologies   *Jul 2024 – Oct 2024*
- Developed and optimized RESTful APIs in Java, improving backend performance by approximately 15
- Implemented database queries and persistence layers using SQL and Java-based backend frameworks.

Key Projects

MAANGRoute — Full Stack Productivity Platform   *maangroute.dev*
- Designed and deployed a full-stack web application used by **150+ active users**.
- Developed responsive dashboards using React for habit tracking, DSA practice, contests, and scheduling.
- Implemented secure authentication, role-based access control, and optimized database schemas with Prisma
- Built backend APIs and server actions using Next.js 14 App Router.
- Deployed application on Vercel with PostgreSQL backend and environment-based configuration.
- **Tech Stack:** Next.js 14, TypeScript, React, PostgreSQL, Prisma, Tailwind CSS

SIIN — Skill Inference Information Network   *Live Demo*
- Developed system to infer developer skills through analysis of GitHub repositories and commit history.
- Modeled developer behavior using heterogeneous graph data structures.
- Implemented Monte Carlo Tree Search algorithms for graph traversal and inference.
- Applied Dempster–Shafer Theory for uncertainty quantification and confidence scoring
- Research paper presented at international conference (publication pending)

Findora — Autonomous Job Matching Platform   *In Development*
- Designing Agent-driven job matching platform with intuitive swipe-based discovery interface
- Building autonomous workflows for candidate onboarding, skill testing, and evaluation
- IImplementing dynamic assessment generation based on role-specific skill requirements.
- Developing automated notification system for recruiter updates and candidate insights.

Achievements & Recognition

- **Winner** — National Hackathon (autonomous orchestration system managing 100+ tools)
- **Top 20 Teams** — Smart India Hackathon Pre-Qualifier (200+ participating teams)
- **5th Position** — Bharat Shiksha Expo National Hackathon
- **Competitive Programming:** 190+ problems solved on LeetCode, 100+ on GeeksForGeeks

Education

Bachelor of Technology in Computer Science & Engineering   *Expected: 2026*
Galgotias University, Greater Noida, India   CGPA: 8.4/10