

# SHYAM

Full Stack Engineer

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## 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 2025 – 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 2025 – Oct 2025*

- 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 2025 – Aug 2025*

- 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
- Implementing 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**

Galgotias University, Greater Noida, India

*Expected: 2026*

CGPA: 8.4/10