

# Siddhi Agrawal

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LinkedIn — GitHub — LeetCode — Portfolio

## SUMMARY

Backend-focused Full Stack Software Engineer (Python / Node.js / PostgreSQL) with production experience in building scalable REST APIs, real-time systems, CI/CD automation, authentication flows, and database-driven applications. Delivered microservices, API integrations, and performance optimizations during internships at **Progress Software (ShareFile)** and **Futuristic Bots**. Strong foundation in system design, TDD, and distributed systems with 800+ data structure and algorithm problems solved (LeetCode + GFG). Finalist at **Smart India Hackathon**.

## TECHNICAL SKILLS

**Backend:** Python, Django, Node.js, Express.js, REST APIs, PostgreSQL, MongoDB, Redis, Microservices

**Frontend:** React Native, React.js, TypeScript

**Tools & Platforms:** Git, Linux, Docker, Jenkins (CI/CD), Postman, Jira, Figma, Bitbucket

**Concepts:** System Design, Operating Systems, Networking, OOP, Authentication, Test-Driven Development (TDD), Agile Scrum, Scalable Systems, Performance Optimization, Pipelines

## PROFESSIONAL EXPERIENCE

### Progress Software (ShareFile) – Software Developer Intern

Jul 2025 – Present

- Integrated 5+ backend APIs (authentication + data retrieval) into mobile workflows using **REST APIs** and automated build pipelines via **Jenkins CI/CD**, improving release reliability for **5K+ users**.
- Developed reusable UI components and optimized state management in React Native, reducing feature build time by **25%** and navigation latency by **30%**.
- Improved app performance through lazy-loading and pagination, reducing page load time by **20%**.
- Resolved 20+ production issues across frontend + backend integration layers, reducing critical bug count by **30%**.
- Automated development workflows by integrating Jira, Bitbucket, and Figma into Copilot pipelines, increasing development speed by **25%**.

### Futuristic Bots – Backend Development Intern

Nov 2024 – Apr 2025

- Developed scalable backend microservices using **Django REST Framework**, handling **100+ requests/sec** with **99.8% uptime**.
- Designed PostgreSQL models and optimized queries, improving data throughput by **40%**.
- Implemented ML-powered LiDAR pallet detection pipeline (HuggingFace), achieving **85% accuracy**.
- Wrote unit + integration tests using **Pytest**, reaching **90% test coverage** and reducing backend regressions.

## PROJECTS

### Real-Time Chat App – MERN, Socket.io, JWT Auth

GitHub

- Built real-time chat system using **WebSockets (Socket.io)** enabling instant messaging with sub-100ms latency.
- Implemented JWT authentication and role-based access, ensuring secure message persistence.
- Modeled MongoDB schema for chat rooms, users, and message history.

### React Native Wallet App – PostgreSQL, Redis, Express.js, Clerk Auth

GitHub

- Engineered backend using **Express.js + PostgreSQL + Redis**, reducing data retrieval latency by **20%**.
- Integrated Clerk-auth and secure transaction workflows, syncing **5K+ transactions/month**.

### Project Management System (Backend) – Django, REST APIs

GitHub

- Architected role-based dashboards (Admin/Manager/User) using Django REST Framework.
- Orchestrated backend task workflows increasing completion rate by **25%**.

## EDUCATION

### GL Bajaj Institute of Technology & Management

Aug 2021 – May 2025

B.Tech in Computer Science and Engineering

CGPA: **8.2/10**

### Radiant Stars English School

Mar 2021

CBSE Senior Secondary (XII)

Percentage: **93.4%**

## ACHIEVEMENTS

- Finalist – **Smart India Hackathon 2023** (Top 1% among 5000+ teams).
- Open-source contributor – **GirlScript Summer of Code 2023 (React, Django)**, with **50+ merged PRs**.
- Completed **800+ coding challenges** on **LeetCode, GFG, and CodeStudio**, ranking in top 5% of active users.