Sudarshan Bhagat

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Professional Summary

Backend Engineer with experience building Java and Spring Boot applications handling 80K+ records monthly. Skilled in developing REST APIs, writing optimized SQL queries, and maintaining production systems with consistent uptime.

Technical Skills

Languages: Java, SQL, Python, JavaScript
Backend: Spring Boot, REST APIs, Spring Data JPA, MVC Architecture
Databases: PostgreSQL, MySQL, Query Optimization, Data Modeling
Tools: Git, Maven, Postman, Linux, AWS (Basic), CI/CD
Testing: JUnit, Unit Testing, Debugging
Concepts: OOP, Transactions, Logging, Exception Handling

Professional Experience

Software Engineer Trainee | GGST Innovations   Sep 2025 – Present

- Developed backend services using Java and Spring Boot for 5+ internal applications used by 200+ users
- Built REST APIs and database layers managing 80K+ records per month in PostgreSQL
- Wrote and optimized 30+ SQL queries for reporting and reconciliation processes
- Fixed 25+ production issues related to data validation, API failures, and performance bottlenecks
- Implemented basic caching and async tasks, improving average API response time by 20%
- Worked on transaction validation logic for UPI-style payment flows and status callbacks
- Added structured logging and monitoring, reducing repeat incidents by 30%

Graduate Software Trainee | Eaton   Mar 2025 – Sep 2025

- Assisted in developing Java-based backend modules for 2 monitoring applications
- Worked on SQL-based data extraction for weekly reports covering 10K+ records
- Debugged synchronization and data consistency issues across 3 services
- Supported testing cycles for 15+ features using JUnit and manual test cases
- Prepared technical documentation for APIs and deployment workflows

Key Projects

AI-Powered Secure SaaS Analytics Platform | Java, Spring Boot, PostgreSQL
github.com/Sudarshanbhagat/SHENTINELSHIELD-AI

- Developed backend modules to ingest, validate, and store 50K+ structured records
- Built REST APIs supporting 1K+ data upload and reporting requests
- Designed database schema and wrote 20+ SQL queries for analytics
- Implemented role-based access and input validation for 3 user roles
- Added payment receipt and subscription status tracking features

UAV Detection & Inference Pipeline | Python, Flask
github.com/Sudarshanbhagat/UAV_DETECTION_FLYTBASE

- Built backend APIs handling 100+ inference requests per day
- Implemented preprocessing scripts for 10K+ image samples
- Reduced average response time by 18% through code optimization

Research Publication

EmoTract: Real-Time Emotion Detection Using CNN and ResNet-50 | IEEE ICSSES 2025
ieeexplore.ieee.org/document/11009820

Education

Bachelor of Technology — Electronics & Telecommunication Engineering
Vishwakarma Institute of Technology, Pune   2021 – 2025
Relevant Coursework: Data Structures, DBMS, Operating Systems, Software Engineering

Certification

Certified Ethical Hacker v13