

TUSHAR SURTI

Mumbai, India | +91 8591868750 | tusharsurti6@gmail.com | [GitHub](#) | [LinkedIn](#) | [Portfolio](#)

SUMMARY

Computer Engineering student (Honours in AI & ML) who enjoys building real, working software. Built and deployed full-stack applications with Java, Spring Boot and React, along with data and AI projects. Good grasp of OOP, DBMS and SQL; quick learner, eager to grow as a Graduate Engineer Trainee.

EDUCATION

B.Tech in Computer Engineering with Honours in AI & ML, K.J. Somaiya Institute of Technology, Sion, Mumbai 2023 – 2027
CGPA: **8.8** (till Semester 6) | HSC: 80.83%, Mithibai College, Vile Parle | SSC: 83.80%

TECHNICAL SKILLS

Languages: Java, Python, C++, C, SQL, JavaScript, TypeScript

Web & Frameworks: Spring Boot, Spring Security, JPA/Hibernate, React, Next.js, Node.js (Express), FastAPI, REST APIs, WebSockets

Databases: MySQL, PostgreSQL, MongoDB, Redis, Supabase, Flyway

Cloud, DevOps & Testing: AWS (S3, RDS), Docker, Git, Linux, Render, Vercel | JUnit 5, Testcontainers, Playwright

Data & AI/ML: Apache Kafka, Spark, Pandas, NumPy, scikit-learn, PyTorch, TensorFlow, OpenCV, Claude API, Claude Code

Coursework: OOP, DBMS, Operating Systems, Computer Networks, Data Structures

PROJECTS

Rentbook: Rental & PG Management Platform | *Java 21, Spring Boot, PostgreSQL, React, TypeScript* [GitHub](#) | [Live Demo](#)

- Built and deployed a **full-stack** rental and PG app where landlords and tenants manage rent, payments and repairs
- Developed a **Spring Boot REST API** with PostgreSQL, JWT login, 3 user roles and **real-time updates** via WebSockets
- Added **Razorpay** payments, PDF rent receipts and **82 backend tests** (JUnit 5); deployed with Docker on Render
- Designed a mobile-first **React + TypeScript** frontend, tested end-to-end on phone and desktop with **Playwright**

LogLens: Real-Time Log Monitoring & Anomaly Detection | *Kafka, Spark, Python, MongoDB, FastAPI, React* [GitHub](#)

- Built a real-time log monitoring system using **Kafka** and **Spark Streaming**, tested at several thousand log events per second
- Detects traffic spikes, errors and attacks using **9 statistical and ML checks**, shown on a React + FastAPI dashboard

Vault: Zero-Knowledge Encrypted Photo Storage | *Next.js, TypeScript, Express, PostgreSQL, AWS S3* [GitHub](#) | [Live Demo](#)

- Built a secure photo storage app that **encrypts photos in the browser (AES-256)**, so the server never sees the originals
- Created a **Node.js + TypeScript** REST API with PostgreSQL, JWT login, rate limiting and **AWS S3** storage

EXPERIENCE

Java & Spring Boot Summer Intern, K.J. Somaiya Institute of Technology, Mumbai Summer 2026

- Built **Flux**, a real-time collaborative whiteboard (Spring Boot, React) [\(Certificate\)](#) [GitHub](#) | [Live Demo](#)
- Custom **CRDT** (vector clocks) for conflict-free live editing over WebSockets; PostgreSQL, Redis; on Vercel & Render

Machine Learning Intern, Claidroid Technologies (Remote) Dec 2024 – Jan 2025

- Completed a winter ML internship; built a CNN image classifier in TensorFlow with **85% accuracy** on CIFAR-100 [\(Certificate\)](#)

Cybersecurity Intern, Claidroid Technologies (Remote) Jun 2025 – Jul 2025

- Built “Mail & URL Sentinel”, a Python tool that detects malicious URLs using WHOIS lookups and rule-based checks; gained hands-on exposure to threat analysis fundamentals [\(Certificate\)](#)

LEADERSHIP & EXTRACURRICULAR

Technical Admin, IETE KJSIT

- Managed the technical team and the official IETE KJSIT website; received a **Letter of Appreciation** from the Principal [\(Certificate\)](#)
- Organized technical events: **Code Housie** (Oscillations, IETE’s tech fest) and **Digital Sherlock** (Renaissance, college fest)

CERTIFICATIONS & ACHIEVEMENTS

- 2nd Prize**, SIH Internal Hackathon, KJSIT 2026: Vanaspati, a 3D virtual garden of AYUSH medicinal plants [GitHub](#) | [Live Demo](#)
- 2nd Prize**, TECHSPARKS 2026, FCRIT Vashi [\(Certificate\)](#) & **3rd Prize**, Tantragyan 2026, LTCE [\(Certificate\)](#) (national-level): ReFace, AI 3D facial reconstruction for forensics [GitHub](#) | [Demo](#)
- Research paper accepted at InGARSS 2026**, Hyderabad: SolarScope, deep-learning solar panel detection [GitHub](#) | [Demo](#)
- AWS Academy Graduate**, Cloud Foundations [\(Badge\)](#)
- Udemy: **Mastering MySQL** [\(Certificate\)](#), Data Structures & OOP with C++ [\(Certificate\)](#)
- GenW.AI Explorer**, Deloitte’s in-house GenAI certification, Hacksplasion 2026 [\(Certificate\)](#)