

ANURAG AKHILESH SINGH

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Summary

Computer Engineering student passionate about designing, developing, and improving software solutions. Skilled in Java and full-stack fundamentals, currently enhancing expertise in React and Spring Boot. Experienced in backend and machine learning projects, with over 650 coding problems solved across platforms, showcasing strong problem-solving skills and adaptability.

Education

Sardar Patel Institute of Technology

Bachelor of Technology in Computer Engineering — CGPA: 9.02

Aug 2023 – July 2027

Mumbai, India

Barclays, India

Barclays Minor In Banking Technology — CGPA: 9.00

Jan 2025 – Dec 2027

Mumbai, India

Relevant Coursework

- | | | | |
|---------------------|-----------------------|-------------------------|-------------------|
| • Data Structures | • Operating Systems | • Computer Organization | • BFSI |
| • Algorithms | • Database Management | • OOPS | • Data Analytics |
| • Computer Networks | • Distributed Systems | • Network Security | • Risk Management |

Projects

AI-Powered Resume Optimization Platform | *JavaScript, Puter.js, AI Integration* | ([Live Demo](#) →) **2025**

- Built an AI resume analyzer delivering feedback in under 10 seconds, boosting ATS scores by 40 percent or more.
- Designed a 3-step user experience flow for upload, analyze, and export, cutting resume creation time by 75 percent.
- Deployed a serverless backend with Puter.js for AI processing, KV storage, and authentication, eliminating infrastructure overhead.

Car Crash Detection Model | *Python, CNN, YOLO, Machine Learning*

2024

- Developed a machine learning system for real-time vehicle crash detection with 92 percent accuracy.
- Processed video feeds from traffic cameras, dash cams, and surveillance systems to identify and classify vehicle crashes.
- Integrated Convolutional Neural Networks with YOLO for efficient crash identification and real-time alert generation.

Bank Database Management System | *Java, Spring Boot, MySQL, JPA*

2024

- Developed a Spring Boot backend for comprehensive bank management system with RESTful API architecture.
- Implemented APIs for accounts, transactions, loans, employees, and branches with proper authentication and authorization.
- Managed complex entity relationships using JPA and MySQL, ensuring data integrity and efficient query performance.

Technical Skills

Languages: Java, C, Python, HTML, CSS, JavaScript, SQL

Developer Tools: VS Code, IntelliJ IDEA, Google Cloud, Google Colab, GitHub, Linux

Technologies/Frameworks: Spring Boot, React, Pandas, NumPy, Matplotlib, MySQL, MongoDB

Leadership / Extracurricular

Sports Committee SPIT

Aug 2023 – Aug 2025

Core Team Member

Mumbai, India

- Led the planning and execution of major events like Spoorthi and the SPIT Marathon with over 1200 participants.
- Mentored junior members and delegated responsibilities across teams to ensure smooth event delivery and coordination.
- Advanced from sub-committee to core team within one year, reflecting strong leadership and organizational commitment.

Achievements

Competitive Programming and Hackathons

2023 – Present

Online Platforms

- Solved 650 plus coding problems across LeetCode (300 plus), GeeksforGeeks (300 plus), Codeforces (1100 rating), and CodeChef (1450 rating, 2-star), demonstrating strong algorithmic and problem-solving skills.
- Achieved Runner-Up position in UnSQLved competition hosted by CSI SPIT, solving crime mysteries using SQL queries.
- Secured Top 10 finish in Code Red cryptic challenge competition organized by SDC SPIT.
- Ranked in Top 10 at SPIT SE Hackathon for developing an innovative AI and Machine Learning project.
- Selected among top 60 students for the prestigious SCOPE program by J.P. Morgan Chase and Co. at SPIT.
- Google Cloud Arcade (Trooper Tier) 2025: Earned 55 plus Skill Badges demonstrating cloud computing proficiency.
- Finalist at IIT Bombay Aarohan Hackathon and Odoo National Hackathon among 1400+ teams nationwide.