

Anurag Singh

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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (CSE)	Heritage Institute of Technology, Kolkata	8.64 (Current)	2020–2024
XII	Sr. Sec. School Kajipur, Saran (BSEB)	80.6%	2019
X	High School Kajipur, Saran (BSEB)	70.6%	2017

Experience

System Engineer — Tata Consultancy Services (TCS)

- Full-time | Dec 2024 – Present (11 months)
- Java Backend Developer with hands-on experience in building, optimizing, and maintaining enterprise-grade web applications.
 - Developed and maintained backend systems serving 10,000+ users, reducing downtime by 25%.
 - Built and optimized 50+ RESTful APIs using Spring Boot, handling 100,000+ daily requests with a 99.9% success rate.
 - Designed and implemented PL/SQL procedures processing 50,000+ insurance claims monthly.

Associate Software Engineer — Indus Net Technologies

- Full-time | Jun 2024 – Dec 2024 (7 months)
- Trained as a Java Spring Boot Backend Developer and worked on a life science project.
 - Developed microservices using Java, Spring Boot, and Spring Security.
 - Implemented secure API authentication and optimized backend workflows.

Web Developer Intern — Exposys Data Labs

- Remote | May – Jun 2023
- Designed and developed a Mass Mail Dispatcher website for sending bulk emails.
 - Integrated EmailJS API for seamless email functionality.
 - Tech Stack: HTML, CSS, JavaScript, EmailJS.

Projects

Library Management System (Backend)

- Apr 2024 – Jun 2024 | NA (Offsite)
- Built a MVC-based Library Management System with Spring Boot.
 - Implemented Role-Based Access Control using Spring Security and JWT authentication with refresh tokens.
 - Integrated Redis Cache DB for faster responses.
 - Tech Stack: Java, Spring Boot, JDBC, Spring Security, Swagger API, Redis.

Weather Website

- Tech Stack: HTML, CSS, JavaScript, NodeJS, ExpressJS.
- Provides real-time weather updates using OpenWeather API.

To-Do List App

- Full-stack MERN project with CRUD operations.
- Used MongoDB Atlas for cloud storage and Mongoose for schema modeling.

QR Code Generator

- Created a dynamic QR code generator using HTML, CSS, JavaScript, NodeJS, ExpressJS.

Portfolio Website

- Built using ReactJS and Material UI, showcasing personal projects and achievements.

Key Skills

Languages: Java, C, C++, JavaScript

Frameworks & Tools: Spring Boot, Swagger API, NodeJS, ExpressJS, Hibernate, JSP, JDBC

Databases: MySQL, PL/SQL, Redis

Version Control: Git, GitHub

Others: HTML, CSS, Cloud Computing, Postman API, Data Structures & Algorithms, Generative AI

Achievements

- Secured Global Rank 4323 in TCS CodeVita Season 11.
- 3★ on CodeChef (Rating: 1620).
- Global Rank 360/4000 in CodeChef Starters 83.
- Open Source Contributor in SSOC'23.
- Solved 700+ coding problems across platforms.

Certifications

- Postman API Fundamentals – Student Expert
- Complete C++ Course – GeeksforGeeks
- Web Development Bootcamp – Udemy
- Introduction to Cybersecurity – Cisco Networking Academy