

SAGAR MISHRA

Kolkata, West Bengal

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EDUCATION

VSSUT, Veer Surendra Sai University of Technology, Burla

2018 – 2022

B.Tech - Computer Science and Engineering - **CGPA - 9.04**

Sambalpur, Odisha

EXPERIENCE

Associate at Cognizant Technology Solutions

August 2022 - Present

Role - Software Engineer

Kolkata, West Bengal

- Enhanced code quality by driving **20%** code coverage increase to **90%+** via unit testing frameworks (JaCoCo, JUnit) and CI/CD pipelines.
- Integrated third-party APIs into scalable RESTful microservices, enabling real-time data retrieval and **>15%** data accuracy improvement using data validation techniques.
- Optimized API performance, reducing latency by **40%+** during data center migration through cloud-native infrastructure optimization and monitoring tools.
- Automated data loading with Bash scripts, slashing processing time by **50%** (**12+ hours** to **<6 hours**), boosting data pipeline efficiency.
- Excelled in Agile sprints, ensuring **100%** on-time delivery via collaborative story pointing, Planning Poker, and daily stand-ups.

Intern at Cognizant Technology Solutions

March 2022 - June 2022

Role - Software Developer

Kolkata, West Bengal

- Built full-stack dashboard with Spring Boot, Java, MySQL: automated project filtration, **90%+** effort reduction.
- Developed React front-end: enabled efficient project filtering via modern web technologies with **more than 4 criterias**
- Implemented scalable MySQL database for efficient data management and querying with upto **400+** concurrent users
- Applied full-stack skills (Spring Boot, Java, MySQL, React) to create impactful automation tool.
- Certified in full-stack development (Cognizant Digital Nurture), demonstrating expertise with a score of more than **70%**

PROJECTS

Leetcode Elo tracker 📄 | React, Javascript, Spring boot, Java, Postgres

Jan 2025

- Designed a robust backend using Spring Boot to fetch prebuilt data and update a PostgreSQL database with newly added problems.
- Implemented caching mechanisms to optimize API calls from the React frontend, reducing redundant requests and improving performance.
- Developed a dynamic frontend with React for seamless user interaction and real-time data visualization.
- Automated weekly data updates to ensure the database remains current without manual intervention.
- Optimized database queries and API response times for enhanced scalability and efficiency.

SKILLS

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

Technologies/Frameworks: HTML5, CSS3, git, React, Oracle, Spring boot Web, Spring batch, Javascript, ShadCN UI, Maven, Junit5, Cucumber testing, Cassandra DB, Docker

Developer Tools: Control - M, Splunk Dashboard, Service Now dashboard, VS Code, IntelliJ, Sql Developer, Jules

CERTIFICATIONS

- AWS Certified Cloud Practitioner 📄
- GitHub Copilot: Your AI Coding Assistant. Use Copilot AI to generate code, unit tests, + more.
- Deep Dive in Core Java programming -Standard Edition

EXTRACURRICULAR

- Taught AI tools like Github Copilot, Codeium and explored its applications
- NCC Member from 2018 to 2021