Zeeshan Ahmed Siddiqui

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EDUCATION

JIS University, West Bengal   CGPA - 8.85
Bachelor of Technology in Computer Science and Engineering   *Aug 2021 – June 2025*

WORK EXPERIENCE

Web Developer Intern   July 2024 – Jan 2025
Artisans Effort   *West Bengal, India*

- Developed a **full-stack customer feedback and contact module** using **Spring Boot and React.js**.
- Designed and implemented **APIs** to handle complete **CRUD operations**.
- Fixed 50+ bugs and refactored code across the stack to **enhance performance and stability by 10%**.
- **Tested** web application components using **JUnit and Mockito**.
- Wrote and maintained comprehensive **technical documentation** for all **newly developed features**.
- Learned about **professional** git workflows, CI/CD pipelines,Redis caching,Kafka and containerization.

ACADEMIC PROJECTS

Cifa-A Healthcare Tool | *HTML,CSS,JavaScript,Python,Flask,Firebase,CNN*   Dec 2024 - March 2025

- Engineered a **fully responsive healthcare website**, utilizing **HTML, CSS, and JavaScript**.
- Implemented and integrated advanced machine learning models for **Brain Cancer detection and Oral Cancer detection**, using **convolutional neural networks (CNN)** trained on Kaggle datasets.
- The Team Developed **Flask backend** for integrating to connect the frontend with ML model APIs, enabling **real-time diagnostics.**
- Leveraged **Firebase as a Backend-as-a-Service (BaaS)** solution for secure and efficient database operations.

Journal Application(Backend) | *Java,Spring Boot,MongoDB,Redis,Kafka,JUnit,Mockito*   April 2025 - May 2025

- Engineered a secure, scalable **Spring Boot backend** by integrating **MongoDB Atlas** for cloud-native storage.
- Integrated **Redis caching** to cut query latency and boost **throughput by 30%**.
- Added **Kafka** for event-driven processing like sending intervaled emails, improving **responsiveness by 20%**.
- Developed and optimized **RESTful CRUD APIs** across Controller,Service and Repository layers.
- Implemented Spring Security with **JWT auth** and **OAuth 2.0** to enforce role-based access and secure endpoints.
- Streamlined application by **automating email alerts** with **Java Mail Sender**(Gmail SMTP).
- **Containerized backend** by creating a **Dockerfile** for easy build and faster deployment.
- Documented APIs with **Swagger** for rapid onboarding.

ACHIEVEMENTS

- Solved **100+ algorithmic problems on LeetCode**, strengthening data structures and problem-solving expertise.

- Participated and won several **competitive programming contests and hackathons**.

TECHNICAL SKILLS

Languages: **Java**, Python, SQL, JavaScript, HTML, CSS
Frameworks: Spring Boot, React.js, TailwindCSS
Database Management Systems: **MySQL**, MongoDB, **Redis**
Security: Spring Security, **JWT Auth, OAuth 2.0**, Role-Based Access Control (RBAC)
Tools and Testing: **Git**, GitHub, **Swagger**, JUnit, Mockito, SLF4J, Log4j2, VS Code, IntelliJ, Jupyter, **Linux**
Libraries: **Java Collections**, pandas, NumPy, Scikit-Learn, Matplotlib, TensorFlow, Keras
Others: RESTful Web Services,**REST APIs, Apache Kafka, Docker, Data Structures and Algorithms, Exception Handling, Multithreading**, Operating Systems, **Object-Oriented Designs and Programming**, Computer Networks, Database Management System (Relational Databases), Machine Learning, Software Development Life Cycle (SDLC), Agile Methodology