

# Zeeshan Ahmed Siddiqui

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## EDUCATION

### JIS University, West Bengal

Bachelor of Technology in Computer Science and Engineering

CGPA - 8.85

Aug 2021 – June 2025

## WORK EXPERIENCE

### Web Developer Intern

July 2024 – Jan 2025

Artisans Effort

West Bengal, India

- Designed and developed a **full-stack customer feedback and contact module** and assisted in **order tracking functionality** using **Java, Spring Boot, MySQL, HTML, CSS, and JavaScript**.
- Engineered region-specific modules adaptable to **operations in 2+ countries** and **reduced system errors by 70%** through **logging** and **automating workflows** and minimizing manual intervention.
- Fixed bugs and refactored code across the stack to **enhance performance by 50%**, **reduced technical glitches by 40%** and **reduced system downtime by 60%** through systematic debugging.
- Tested** web application components using **JUnit and Mockito** for unit and integration testing.

## ACADEMIC PROJECTS

### Cifa-Healthcare website | *HTML, CSS, JavaScript, Python, Flask, Firebase, CNN*

Dec 2024 - March 2025

- Engineered a **fully responsive healthcare website**, utilizing **HTML, CSS, and JavaScript** to ensure optimal user experience and accessibility across devices.
- 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 backend integration by **deploying Flask** to bridge the front-end interface with machine learning model APIs, **enabling real-time diagnostic capabilities**.
- Leveraged **Firebase as a scalable Backend-as-a-Service (BaaS)** solution for secure user data management 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, **Redis caching** to cut query latency and boost **throughput by 70%**, and **Kafka** for event-driven processing, improving **responsiveness and scalability by 60%**.
- Developed and optimized **RESTful CRUD APIs** across Controller, Service and Repository layers and documented APIs with **Swagger/OpenAPI** for rapid onboarding.
- Implemented production-grade security with **Spring Security, JWT-based stateless auth, and OAuth 2.0** enforcing **role-based access control (RBAC)** and hardening endpoints.
- Improved maintainability with **Project Lombok and transaction management** and added email notifications via **Java Mail Sender (Gmail SMTP)**.

## ACHIEVEMENTS

- Solved **150+ 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, C, SQL, JavaScript, HTML, CSS

**Frameworks:** Spring Boot, JUnit, Mockito, SLF4J, Log4j2, TailwindCSS, Swagger

**Database Management Systems:** MySQL, MongoDB, Redis

**Security:** Spring Security, JWT Auth, OAuth 2.0, Role-Based Access Control (RBAC)

**Developer Tools:** Git, GitHub, VS Code, MongoDB Shell, MongoDB Atlas, IntelliJ, Jupyter, Linux

**Libraries:** Java Collections, pandas, NumPy, Scikit-Learn, Matplotlib, TensorFlow, Keras

**Others:** RESTful Web Services, REST APIs, Apache Kafka, 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