

# Ajoy Deb Nath

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## Education

### Chittagong University Of Engineering & Technology

Bachelor of Science in Computer Science & Engineering (GPA: 3.72 / 4.00)

May 2023

Raozan, Chittagong

- **Relevant Coursework:** Object Oriented Programming, Data Structures and Algorithms (Java), Operating System, Compiler Design, Computer Architecture, Artificial Intelligence (Python)

## Experience

### Neural Semiconductor Ltd.

Uttara, Dhaka

Software Engineer I

Nov 2023 - Present

- Collaborated closely with frontend developers, UI/UX designers, and product managers to translate business requirements into technical solutions and deliver high-quality software products on time.
- Designed and implemented database structure and RESTful APIs for multiple client applications leveraging Spring Boot.
- Implemented security features such as JWT, OAuth 2.0 authentication and role-based access control (RBAC) to ensure data confidentiality and compliance with security standards.
- Conducted unit testing and integration testing using JUnit and Mockito frameworks, achieving over 90% code coverage and identifying and fixing bugs early in the development process.
- Participated in daily stand-up meeting and sprint planning sessions to coordinate efforts and address project challenges as a team.

### Associate Software Engineer (Trainee)

Aug 2023 - Oct 2023

- Focused on strengthening object-oriented programming (OOP) skills, mastering design patterns, practicing clean coding principles, and utilizing version control systems such as Git.
- Collaborated with mentors and senior engineers to review code, discuss best practices, and receive feedback on coding style and architecture.

## Personal Projects

### Ecommerce Backend | Spring boot, OAuth 2.0, PostgreSQL

- Designed database structure and implemented RESTful APIs using spring boot.
- Implemented a real-time chat feature using WebSocket and Socket.io, enhancing user engagement and reducing response time by 20%.

### School Website | Vue.js, Tailwind CSS, HTML

- Developed a school website for a local primary school.
- Worked closely with the stakeholder to gather requirements, define user stories, and validate functionality.

### FindItBD | Express.js, Mongoose, MongoDB

- Worked on the project under the university sessional course where I developed RESTful APIs using express.js and mongodb.
- Implemented features like authentication and authorization, product CRUD, blog, user profile management etc.

## Technical Skills

**Languages:** Java, C++, Html, Javascript, Dart, Python

**Technologies:** Spring Boot, Express.js, Vue.js, Flutter

**Databases:** PostgreSQL

**Testing Frameworks:** Junit, Mockito