

# ANISH SHRESTHA

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Kathmandu, Nepal  
[anishnitro5@gmail.com](mailto:anishnitro5@gmail.com)  
+977-9823166482

Portfolio: <https://iamanish2061.github.io>  
GitHub: <https://github.com/iamanish2061>  
LinkedIn: <https://www.linkedin.com/in/anishofficialshrestha>

## Professional Summary

Motivated and detail-oriented Computer Science student with hands-on experience in full-stack web development using Java, Spring Boot, HTML, CSS, and JavaScript. Strong problem-solving and teamwork skills, demonstrated through real-world project experience and personal initiatives.

## Technical Skills

**Languages:** Java, Python, C#

**Frameworks & Tools:** Spring Boot, Hibernate, Apache Tomcat, MySQL, IntelliJ IDEA, Postman,

**Concepts:** Object-Oriented Programming (OOP), Database Management, RESTful APIs, E-commerce System Design, Network Fundamentals, Event Driven Architecture, APIs Integration, Redis, RabbitMQ

**Soft Skills:** Communication, Adaptability, Teamwork, Time Management

## Projects

### E-Commerce Salon Website (The CutLab)

- **Full-Stack Architecture:** Developed a multi-actor ecosystem (Admin, Staff, Driver, User) using Spring Boot, JS, and Spring Security/JWT for role-based access control.
- **Recommendation Engine:** Built an async Collaborative Filtering system using Cosine Similarity and Redis vectors to provide personalized product suggestions.
- **Logistics Optimization:** Implemented a TSP Solver (Nearest Neighbor + 2-Opt) with OSRM and Leaflet.js to automate efficient delivery route planning.
- **Algorithmic Scheduling:** Engineered a multi-factor ranking algorithm to suggest optimal appointment slots by balancing user habits, staff load, and time-fit decay.
- **Real-Time Infrastructure:** Integrated RabbitMQ and WebSockets for live order updates and eSewa/Khalti for secure digital payments.

## Experience

### Freelancing:

3 months of experience on Java and Web Development

## Training

**AWS Fundamentals** – 1 month course conducted by ACEM in collaboration with Prix Academy.

**Git and GitHub** – 3 days training conducted by BCA Club of Advanced College of Engineering and Management

## Education

Bachelor of Computer Application (BCA)  
GPA: 3.7

Tribhuvan University — Kathmandu, Nepal  
Expected Graduation: February 2027

## Interests

Software Development | Network Systems  
Cloud Computing | AI ML