

# Rahul Shrestha

Huddersfield, UK

your.email@example.com — GitHub — LinkedIn

## Profile

Computer Science undergraduate with a strong interest in software and backend development. Experienced in building Java applications, database-driven web systems, and academic machine learning projects. Demonstrates strong fundamentals in programming, data structures, databases, and computer systems. Seeking a placement or junior role to gain industry experience and further develop professional software engineering skills.

## Education

**University of Huddersfield**, Huddersfield, UK  
*BSc Computer Science with Artificial Intelligence*

*Expected Graduation: 2028*

### Key Academic Areas:

- **Programming:** Java, Python
- **Databases & Web:** SQL, Database Systems, Web Development
- **Algorithms:** Data Structures and Algorithms
- **Software Engineering:** Software Development Life Cycle (SDLC)
- **Systems & Networks:** Computer Networks and Systems
- **Artificial Intelligence:** AI Fundamentals

**Herald International College**, Kathmandu, Nepal  
*Higher Secondary Education (NEB – Science)*  
Equivalent to UK A-Levels in Science.

*Completed: 2023*

## Technical Skills

- **Languages:** Java, Python, PHP, SQL, JavaScript
- **Web Technologies:** HTML5, CSS3, Backend Development, CRUD Operations
- **Databases:** MySQL / MariaDB, Relational Schema Design, SQL Joins
- **Tools:** Git, GitHub, VS Code, Linux / Ubuntu, XAMPP, phpMyAdmin
- **Concepts:** Object-Oriented Programming, Authentication, Debugging, Documentation

## Projects

### Database-Driven Web Application (PHP & MySQL)

- Designed and implemented a relational database schema for a dynamic web system
- Developed backend functionality including authentication and CRUD operations

- Applied SQL joins and aggregation queries for data retrieval

### **Lost & Found Tracking System (Java)**

- Built a console-based application using Java and object-oriented principles
- Implemented role-based workflows and structured menu navigation
- Focused on clean logic, validation, and maintainable code

### **Stock Price Prediction (Python)**

- Analysed historical stock market data using regression models
- Implemented Linear Regression and Random Forest models
- Evaluated model performance using MAE, RMSE, and R<sup>2</sup>

## **Certifications & Achievements**

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- Top 10 Academic Performance – International Year One (2025), University of Huddersfield
- Django Framework Certificate – Backend development fundamentals
- Web Development Workshop (7 Days) – HTML, CSS, JavaScript, backend basics
- Networking Fundamentals – Credly Verified Digital Badge

## **Experience**

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### **Part-Time Employment (Support / Agency Roles)**

*UK*

- Balanced part-time work alongside full-time university studies
- Demonstrated strong time management, reliability, and professionalism
- Worked effectively in fast-paced environments with diverse teams

## **Additional Information**

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Eligible for placement and part-time employment in the UK. Strong written documentation skills and a disciplined, self-directed learning approach. Portfolio and project work available online.