# THUU SHAN PHYOE

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## SUMMARY

I am currently in my final year at **Sheffield Hallam University**, majoring in **Computer Science,** seeking an entry-level position as a **Software Developer**.

## EDUCATION

Sheffield Hallam University
Bachelor of Computer Science **(Expected Graduation: May 2024)**

## TECHNICAL SKILLS

- Languages: **Java, PHP (Back-end) JavaScript, TypeScript(Front-end), Python,HTML,CSS, Tailwind CSS**
- Frameworks/Technologies: **React, Spring Boot, Bootstrap**
- Databases: **MySQL, SQLite**
- Tools:  **REST APIs, JWT, Git,Google Cloud Console API**
- Software Design: **Object-Oriented Programming, Microservices Architecture,MVC**

# PERSONAL PROJECTS

### Academic Stusy Platform (feb 2025 - present)

Tech Stack: **Java, Spring Boot, Spring Security, React, TypeScript, MySQL, WebRTC, JWT     Authentication, Google OAuth, Material UI, WebSockets, AWS S3 (document storage)**

**Key Features**

- Implemented a secure authentication system with **multiple sign-in options (email/password, Google OAuth)** and enhanced security features including password reset and **two-factor authentication**
- Developed an **advanced document management system** supporting various file formats (PDF, PPT, Word) with metadata tagging and comprehensive search functionality
- Built real-time communication features including **WebRTC video conferencing, instant messaging**, and discussion forums with reputation system
- Created a dynamic study group management system with calendar integration for scheduling study sessions and tracking academic deadlines
- Integrated **AI-based recommendation engine** to suggest relevant study materials based on user activity and academic interests
- Established robust profile management allowing users to customize their academic profiles with research interests and credentials

**Weather Monitoring System (Jan 2025- Feb2025)**

Tech Stack: **Java, Spring Boot, RESTful APIs, Weather API Integration**

- Developed a Java Spring Boot application to **collect and process weather data from external APIs**

- Created a **web dashboard to visualize real-time and historical weather data**

- Implemented scheduled tasks to regularly fetch and update weather information

- Designed a user-friendly interface for viewing weather forecasts and conditions

- Built RESTful endpoints to serve weather data to client applications

**Library Management System (Nov 2024 – Jan 2025)**

**https://github.com/Aster-Shan/libraryassignment**

Tech Stack: **Java, Spring Boot, React, MySQL, TypeScript, Google Cloud Console API, JQUERY,AJAX and JSON**

**Key Features**

- Developed an end-to-end library system enabling media borrowing, returning, and inventory management.
- Implemented login/registration with secure **email verification and notifications** for due dates and renewals.
- Designed and enforced **role-based access** control to ensure secure admin-user interactions.
- Built a scalable **REST API with JWT authentication** and session management.
- Enabled real-time media status updates and admin functionalities for inventory tracking and media transfers.
- Integrated **JUnit testing and integrity tests** to ensure system reliability.

## CERTIFICATIONS & ACHIEVEMENTS

- SQL for Developers – Microsoft (2024)
- Java Programming & Software Engineering – Coursera (2023)
- Web Development with React – Udemy (2022)

*INTERNSHIP*

*HEWLETT PACKARD ENTERPRISE SOFTWARE ENGINEERING JOB SIMULATION ON FORAGE*

- Wrote a proposal for a **RESTful web service** to manage a list of employees.
- Built a web server application in Java Spring Boot that can accept and respond to **HTTP requests** as well as support uploading JSON data.
- Developed and ran a set of unit tests to assess my Java Spring Boot application's performance.