

# Swetha S

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## SUMMARY

Motivated backend developer with a strong foundation in building and maintaining server-side applications. Hands-on experience in working with JavaScript, Node.js, MySQL, and Redis for session management to improve performance. Passionate about learning and growing in backend development, with a focus on delivering reliable solutions and supporting business needs.

## WORK EXPERIENCE

**June 2024 - September 2024**

**Synclovis Systems Pvt Ltd, Bangalore**

Software Developer - Internship

- Developed backend services using Node.js and MySQL, focusing on user management, authentication, and ticketing systems.
- Implemented JWT-based authentication for secure login process and redis for session management.
- Collaborated with frontend developers (Angular) to integrate backend services, improving the user experience.
- Performed API testing using Postman to ensure the accuracy and performance of endpoints.
- Served as the Scrum Master, facilitating Agile processes, including daily scrum call, sprint planning and task tracking via Jira.
- Acquired hands-on experience with web application development in a team settings, emphasizing collaboration, version control (Git), and iterative improvements.

## EDUCATION

**August 2019 - April 2023**

**Kingston Engineering College, Anna university**

Bachelor of Engineering in Computer Science

- Graduation with distinction, [2023]
- 8.59 CGPA

**June 2018 - April 2019**

**Auxilium Girls Hr Sec School**

CLASS XII - 76%

**June 2016 - April 2017**

**Subeam Matric Hr Sec School**

CLASS X - 94%

## PROJECTS

**A Novel Method for Handwritten Digit Recognition System (Academics)**

- Developed a novel approach for recognizing handwritten digits using advanced techniques to enhance accuracy and efficiency in digit classification.
- Implemented Convolutional Neural Networks (CNN) to automatically extract features from the digit images.
- Enhanced the recognition accuracy and processing speed of handwritten digits, making the system suitable for real-world applications.
- Collaborated with IBM, earning certification for the project.

### User Authentication System (Personal Project)

- Developed a user authentication system with Node.js, Express.js, and MySQL for secure user registration and login.
- Implemented password hashing using bcrypt and JWT-based authentication to protect user credentials.
- Utilized Redis for session management, boosting scalability and ensuring efficient session handling.
- Designed RESTful APIs for handling user interactions and data retrieval.
- Ensured robust data validation using tools like Joi, preventing invalid inputs and maintaining data integrity.
- Ensured data validation and implemented comprehensive error handling to enhance reliability and security.

## SKILLS

- **Front-end:** JavaScript.
- **Back-end:** Node.js, Express.js, MYSQL, Redis and REST API.
- **Tools & Methodologies-**  
: Git (Version Control), Visual Studio Code, Jira, Agile (Scrum), Postman(API testing) and Software Development Lifecycle(Development process).

## CERTIFICATIONS

Software Developer Internship Completion - Synclovis Systems Pvt Ltd [!\[\]\(339a16584d5da0f0a3ca4e9ec17bf6a1\_img.jpg\)](#)

Collaborated Project completion certificate - IBM [!\[\]\(a870788d6ed9b8fd294b7654a8c8526b\_img.jpg\)](#)

Sql completion - Simplilearn [!\[\]\(de95854c7ee024cfadc48187bbb781b2\_img.jpg\)](#)

Python Completion - EduPrep [!\[\]\(3211b5d1d968fc1665909b34f9f16010\_img.jpg\)](#)