

# SMRITI MAHAJAN

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## Profile Summary

Proactive and results-driven Computer Science Engineer with expertise in software development, cloud computing, web application design, and data management. Proficient in Python, Java, and JavaScript, with a strong background in developing scalable, efficient, and innovative solutions. Certified in AWS Cloud Practitioner Essentials, with hands-on experience in managing full-stack development and implementing RESTful APIs. Aspires to contribute technical and leadership expertise to dynamic IT projects.

## Relevant Coursework

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|--------------------------------------|------------------------------------|-------------------------|
| • Cloud Computing and Virtualization | Data Analysis and Machine Learning | Artificial Intelligence |
| • Digital Marketing and Social Media | Data Structures and Algorithms     | Project Management      |

## Experience

Project Intern

Bharat Heavy Electrical Limited (BHEL)

June 2024 – August 2024

- Spearheaded the development of an Inventory Management System to optimize processes, increasing inventory tracking accuracy by 30% and reducing processing time by 20%.
- Implemented a scalable and secure backend architecture using PHP, Oracle, and MySQL.

## Projects

### **Metro Navigation Application | Python, Streamlit | Novemeber2024 | [Repository](#)**

Developed a metro travel solution with features like station navigation, fare calculation, and tourist spot recommendations using Python and Streamlit. Created a user-friendly interface that simplifies travel planning.

### **IT Asset Management System | Oracle, PHP, MySQL, XAMPP | June 2024 | [Repository](#)**

Designed a scalable system using Oracle, PHP, MySQL, and AWS to streamline inventory processes. Improved tracking accuracy by 40% and reduced processing time by 20%.

### **E-Commerce Website | Node.js, MongoDB, HTML, CSS, JavaScript | December 2023 | [Repository](#)**

Developed a system for managing patient records and appointments using Java and Spring Boot. Automated manual processes, reducing effort by 30%.

### **Hospital Management System | Java, MySQL | January 2024 | [Repository](#)**

Developed a system for managing patient records and appointments using Java and Spring Boot. Automated manual processes, reducing effort by 30%.

### **Restaurant Delivery Website | Angular, MongoDB, Express.js | March 2024 | [Repository](#)**

Created a responsive food ordering and delivery platform using Angular and MongoDB. Improved delivery speed by 25%, enhancing overall efficiency and user satisfaction.

## Skills

- **Programming Languages:** Python, C++, C, Java, JavaScript
- **Frameworks/Databases:** Node.js, React, Angular, Spring Boot, MySQL, MongoDB, Oracle
- **Tools:** Git, Streamlit, Canva

## Education

**University of Petroleum and Energy Studies (UPES), Dehradun, India**

2022-2026

Bachelor of Technology in Computer Science | CGPA: 10

Sophia Girls' School, India

CISCE (Class XII) | 2021 – 2022 | 90.2%

CISCE (Class X) | 2019 – 2020 | 93.8%

## Achievements

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- ICMAS International Level Championship: Achieved 3rd position in mental math competition.
- Limca Book of Records Holder: Solved 200 mathematical questions in 2 minutes.
- KSAT-1 (Kneus Scholastic Aptitude Test): Secured 1st position at the national level.
- National Competition on Japanese Soroban and Mental Maths: Achieved 3rd position nationally.
- UPES Model United Nations Club: USG Operations and Hospitality (Dec 2023 – Present)
- FETE Social Internship: Group Lead, coordinated community projects (June 2023 – August 2023).