Upama Saha

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SKILLS

Languages:	C++, Java, SQL
Frameworks:	HTML and CSS
Tools/Platforms:	MySQL, Oracle, Selenium, Eclipse, Soap UI, Postman, Figma
Soft Skills:	Problem-Solving Skills, Team Player, Adaptability

TRAINING

C++ Programming: OOPs and DSA : CSE PATHSHALA   June 2024 – July 2024

About: Assisted learners in problem-solving, debugging, and optimizing code for competitive programming and technical interviews.

Designed and evaluated coding exercises, projects, and real-world case studies.

Tech stacks used: C++, STL, OOP, DSA

PROJECTS

E-commerce Website Testing   November 2024

- Ensured the functionality, performance, and reliability of an e-commerce website through automated and manual testing.
- Improved website quality by identifying and resolving critical bugs, ensuring a seamless user experience and optimal performance.
- Tech : Selenium, TestNG, JMeter, Postman, Jira, Eclipse.

CSE PATHSHALA: Student Management System   June 2024 – July 2024

- Developed a C++-based console/GUI application to manage student records efficiently.
- Implemented CRUD operations (Create, Read, Update, Delete) for student details, grades, and attendance.
- Utilized Object-Oriented Programming (OOP) principles such as Encapsulation, Inheritance to structure the system.
- **Tech**: C++, STL, OOP, DSA, File Handling

CSE PATHSHALA: Student Voting System   June 2024-2024

- Developed a C++-based voting system to allow students to vote securely for elections (e.g., student council, class representatives).
- Implemented user authentication to prevent multiple votes using unique student IDs.
- Utilized file handling (text/CSV/JSON databases) for storing votes and candidate details securely.
- Designed a menu-driven system for easy navigation, vote casting, and result display.
- Applied Object-Oriented Programming (OOP) principles (Encapsulation, Inheritance, and Polymorphism) for modular and maintainable code.
- **Tech**: C++ (OOP, File Handling, STL)

CERTIFICATES

Introduction to Agile Development and Scrum	March 2025
Web and Mobile Testing with Selenium	September 2024
C++ Programming: OOPs and DSA : CSE PATHSHALA	July 2024
Introduction to Software Testing	March 2024
Mastering Data Structures and Algorithms using C and C++	February 2024
Complete Python Developer in 2023 : Zero to Mastery	July 2023
Fundamentals of Management	March 2023
Understanding Cloud Fundamentals	February 2022

ACHIEVEMENTS

- **Earned certification in C++ Programming (OOP & Data Structures) from CSE Pathshala**   July 2024
- Fulfilled a 1.5-month intensive training program.

- **Completed a 30-hour community development project with Sree Jee Mission, West Bengal**   June 2023
  Gained valuable experience in NGO work and social impact.

- **Earned a Python badge on HackerRank**   December 2022
- Finished various challenges and demonstrated proficiency in Python programming.

- **Participated in the XR Startup Program organized by FITT - IIT Delhi**,
- Gained   insights into extended reality (XR) and startup innovation.   November 2022

- **Completed a 2-day Python Bootcamp with XomaxEdu on Web App Development**
- Learned the fundamentals of streamlit for building interactive web applications.   Oct 2022

EDUCATION

Lovely Professional University   Punjab, India

Bachelor of Technology - Computer Science and Engineering;

Netaji Centenary School West Bengal
Intermediate; ***Percentage: 74.6%*** April 2020 - March 2022

Netaji Centenary School West Bengal
Matriculation; ***Percentage: 82.2%*** April 2019 - March 2020