Samriddhi Tripathi

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PROFILE

A 3rd-year Computer Science student with expertise in C++, ,Python and MySQL. Enthusiastic about tackling complex challenges, learning the latest technologies, and applying my problem solving skills to real-world scenarios. Committed to continuous growth, I strive to excel in the dynamic field of technology and make a meaningful impact.

EDUCATION

- **VIT BHOPAL UNIVERSITY**
  BACHELORS OF TECHNOLOGY IN COMPUTER SCIENCE **CGPA:8.68(2023-2027)**
- **QUEEN MARY'S SCHOOL,TIS HAZARI**
  12TH **93.4% (2023)**
  10TH **94.2% (2021)**

SKILLS

- C++
- Python
- Java
- HTML,CSS,Javascript
- Tailwind CSS
- UI/UX Design
- Digital Logic and Design
- MySQL
- Database management system
- Operating system
- Computer networking
- Object oriented programming
- Computer Architecture and organizatio

SOFT SKILLS

- Communication
- Leadership
- Teamwork and collaboration
- Time management
- Critical thinking
- Emotional Intelligence

COURSES

- MATLAB Onramp Course
- Python Essentials
- Programming in Java
- Industrial IOT Markets and security
- NPTEL Introduction to machine learning
- Solutions Architecture Job Simulation-AWS

PROJECTS

- **Amazon website clone(web development)**
  Designed and developed a static e-commerce website clone of Amazon using HTML and CSS. Focused on replicating the user interface and overall user experience, including homepage layout, product listings, and navigation structure
- **Real Time Traffic analyser**
  Built a real-time system to monitor and analyze traffic using video feeds and ML models.
  Displayed live traffic stats and congestion alerts through a dynamic dashboard.
- **Independent Distributed Source Coding**
  Conducted in-depth research on IDSC focusing on efficient data compression in distributed systems. Implemented core algorithms using Python, with MATLAB for statistical analysis and simulation. Utilized libraries such as NumPy, SciPy, and NetworkX, and managed datasets using MySQL. Developed and tested simulation models on a Linux-based environment, with version control maintained through Git

ACHIEVEMENTS

- 1x Hackathon Winner: SolVIT 2025
  Secured 3rd position among 150+ teams; only team from our batch to rank.
- MernXAI Hackathon 2025
- META: Pragathi AI for impact Hackathon
- 12th Computer science school topper