

Harsh Mistry

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Education

Indraprastha Institute of Information Technology

B.Tech in Computer Science and Engineering

Expected June 2026

New Delhi

- **Relevant Coursework:** Data Structures and Algorithms (C++), Prob & Stat in CS (Python), Operating Systems (C++), Linear Algebra

Projects

Roamify | Python, AI/ML, LLMs, React.js, Flask

- Part of the development of Roamify, an extension designed to elevate the travel planning experience of travelers by crafting personalized itineraries for each day of their journey.
- Implemented a recommendation system using large language models (LLMs) to suggest activities, restaurants, and landmarks based on user interests.
- Created a responsive browser extension using React.js, enhancing user engagement and accessibility.
- Developed a robust backend using Flask to handle user authentication, and storage.

Rate My Professors | React.js, Django, Firebase

- Part of the backend development team of "Rate My Professor", a web application encouraging transparency in Indian educational institutions.

Active Learning and Teaching | React-Native, Firebase

- Lead of the new development team of a mobile application facilitating learning via quizzes and feedback during lectures.
- Designed and deployed using React-Native and Firebase mainly to improve user analytics.

Course Projects

Simple Scheduler | C

- Developed Simple Scheduler, a process scheduler written in C implemented in our custom shell. The program uses semaphores to synchronise access to shared resources, such as the ready queue and the CPU.

Password Generator and Manager | C++, CMakeLists

- Developed a Password Manager which uses AES-256-CBC encryption technique to encrypt the passwords and then store them in SQL database. It also allows user to generate strong passwords.

Technical Skills

Languages: Python, C/C++, JavaScript, TypeScript, Dart, Java, HTML/CSS.

Technologies: React.js, Django, Flask, Express.js, PyTorch, Bootstrap, Node.js, Android SDK, React-Native, Flutter, JavaFX, Docker, Linux/Unix.

Concepts: Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, API.

Achievements

- Winner of IT Talent Hunt Competition 2019-2020 and 2020-2021
- Secured Rank 3 in Computer Science Olympiad in the year 2019-2020

Positions of Responsibility

Coordinator: at BYLD. The lead Development Club of IIIT-Delhi

Organisor: GameJam Event in Esya (Tech Fest) 2023

Sports-Engagements: Chess, badminton and table-tennis.