

# Saumya Shah

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## EDUCATION

**Dhirubhai Ambani University (formerly DAIICT)**  
*B.Tech. (Honours) in ICT with minor in Computational Science*

Gandhinagar, Gujarat  
July 2024 – Present

- **CPI:** 9.09
- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Database Systems, Machine Learning, Software Engineering, Web Development

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, C++, SQL, HTML/CSS

**Frameworks:** React, FastAPI, TailwindCSS

**Developer Tools:** Git, GitHub, VS Code, Postman

**Libraries:** NumPy, Pandas, Matplotlib, seaborn, scikit-learn, TensorFlow, joblib

## PROJECTS

**Formula One Prediction Hub** — *React, FastAPI, scikit-learn* — [GitHub](#) — [Live Link](#)

- Developed a full-stack platform to predict Formula One race outcomes using historical data.
- Performed feature engineering and EDA using Pandas, NumPy, Matplotlib, and seaborn.
- Trained and evaluated ML models using scikit-learn with cross-validation.
- Built responsive dashboards with driver comparison and live standings.

**Peer-to-Peer File Transfer System** — *C, Sockets, Multithreading, Linux* — [GitHub](#)

- Built a BitTorrent-inspired P2P system with multi-source parallel downloads.
- Implemented tracker-peer architecture for peer discovery.
- Designed piece-wise file chunking and reassembly.
- Used mutex-based synchronization with real-time progress tracking.

**Synapse Website** — [GitHub](#)

- Worked on backend development and database design for the official Synapse website.
- Built APIs and data models for event and registration management.
- Supported deployment and live updates during the event.

## SCHOLASTIC ACHIEVEMENTS

JEE Mains 2024 — **99.4 percentile** — AIR 9678 — Top 1% in India