

FREYAM MEHTA

B.Tech (CSE) International Institute of Information Technology, Hyderabad

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EDUCATION

B.Tech in Computer Science & Engineering

International Institute of Information Technology

📅 Sept 2020 – May 2024 📍 Hyderabad, India

Central Board of Secondary Education (CBSE)

Abu Dhabi Indian School

📅 April 2018 – April 2020 📍 Abu Dhabi, UAE

- **Class 12** – 93.8%
- **Class 10** – 90.0%

Scholastic Assessment Test (SAT)

Abu Dhabi Indian School

📅 April 2018 – Dec 2019 📍 Abu Dhabi, UAE

- **SAT** – 1570/1600 (800 Math + 770 Verbal)
- **SAT Subject Physics** – 800/800
- **SAT Subject Chemistry** – 800/800
- **SAT Subject Math level 2** – 800/800

PROJECTS

Image Classification of Cats

- Implemented and trained a **L-layer Neural Network** to classify cats vs non-cat images by using **Logistic Regression** and storing a cache to pass information from **forward to back propagation**. (82.4% Accuracy)
- **Tech Stack:** Python Jupyter numpy matplotlib

Image Classification of Number Signs

- Implemented and trained a **Deep Neural Network** in Tensorflow to classify number signs by using **Logistic Regression** and applying optimization methods such as **(Stochastic) Gradient Descent, Momentum, RMSProp and Adam**. (99.1% Accuracy)
- **Tech Stack:** Python Jupyter TensorFlow PaddlePaddle Torch Keras Caffe

Library Management

- Implemented critical functions (add, search, modify, display, delete, payment, issue & return) that are required in a library by using an optimized database of books and customers.
- **Tech Stack:** C++ MySQL

Hotel Management

- Implemented critical functions (add, search, sort, modify, display, delete, payment, check-in & check-out) that are required in a resort/hotel by using an optimised database of rooms and guests.
- **Tech Stack:** C++ MySQL

ACHIEVEMENTS

- **Vice-President of the GEARS Robotics Club** (2019-20)
- **2nd Place in Annual TechFest at ADIS** (2019)
- **Secretary of the PIONEERS Math Club** (2018-19)
- **Vice-Captain of the School U-19 Cricket Team** (2017-19)
- **15th Rank in International Informatics Olympiad** (2018)
- **76th Rank in International Science Olympiad** (2018)
- **395th Rank in International Math Olympiad** (2018)

LINKS

Linkedin: <https://www.linkedin.com/in/freyam-mehta/>

GitHub: <https://www.github.com/freyam>

AtCoder: <https://atcoder.jp/users/oreos>

Codeforces: <http://www.codeforces.com/profile/oreos>

CodeChef: <https://www.codechef.com/users/freyam>

SKILLS

C C++17 Python HTML5 CSS
JavaScript (ES6+) React Node.js Java
Tensorflow SQL Flutter

OPEN SOURCE

Google Code-in 2018 & 2019

- Contributed to **OpenMRS, LibreHealth, RTEMS** and **CCEXtractor** and improved their code bases.

Google Devfest India 2020

- Contributed to **GDG Communities of India**.

Hacktoberfest 2020

- Completed the **Hacktoberfest 2020 Challenge** and improved several GitHub Repositories.

COURSES

Computer Programming Data Structures
Algorithms Artificial Intelligence
Machine Learning Deep Neural Networks
Real Analysis Discrete Structures Linear Algebra
Digital Systems Internet of Things (IoT)
Micro Controllers Software Systems