

MAYANK GAUTAM

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GitHub | LinkedIn

EDUCATION

B.TECH (Software Engineering)	2020-2024	Delhi Technological University, New Delhi	8.80 CGPA
AISSCE/CBSE (Class XII)	2019	Lovely Public Sr. Sec School	86.6 %
AISSE/CBSE (Class X)	2017	Lovely Public Sr. Sec School	91.2 %

WORK EXPERIENCE

UNIVERSITY OF SURREY, UK

Delhi, India(Remote)

Research Intern

June 2023- August 2023

- Conducted an extensive research and analysis to develop an innovative strategy leveraging the **Internet of Things (IoT)**. This strategy entails merging machine learning models to precisely predict coffee yield.
- Led the effort to compile and curate a substantial dataset consisting of **50,000 data points**. The dataset offers a deep insight into the intricate variables that impact coffee consumption in India.
- Worked collaboratively within a cross-functional team to transform complex data into practical insights, which in turn contributed to development of optimized production strategies. This effort led to a notable **18% increase** in coffee yield.

PROJECTS

Stocks: Prediction and Forecasting | Python, Time-Series Forecasting | [Link](#)

Tech Stack: Tensorflow, Keras, Pandas

- Built and trained several models for **time-series analysis** using **LSTM, Auto Arima, and Prophet** to predict the closing price of a stock. Achieved an **RMSE value of 3.936** on validation data using LSTM. .

Facial Emotion Recognition | Python, Computer Vision | [Link](#)

Tech Stack: Tensorflow, Keras, Pandas

- Built and trained a **CNN** model using a custom architecture from scratch to classify face images into 8 different facial expressions.

Memories | WebApp | [Link](#)

Tech Stack: MongoDB, Express, React, Node.js

- Allows users to upload and manage their personal memories while enabling seamless CRUD operations.

TECHNICAL SKILLS

Language: C/C++, HTML/CSS, JavaScript, SQL, Python

Tech Stack and libraries: Tensorflow, Keras, Pandas, Numpy, Matplotlib

Coursework: Operating System, Database Management System, Computer Networks, Object Oriented Programming, Data Structure and Algorithms.

ACADEMIC ACHIEVEMENTS AND AWARDS

- Secured **2nd position** in Rotathon, an Ideathon + Hackathon organised by the Rotary District 3011, among **350+ participants** from over **18 countries**.
- Won **Best Fresher Hack** Prize in Vihaan 4.0 Hackathon.
- Achieved rank **220** out of more than **8,000** contestants on codechef.

POSITION OF RESPONSIBILITY

Treasurer at Rotaract Club of DTU Regency (250+ members)

- Rotaract clubs are a part of a **global effort** to bring peace and international understanding to a world through a framework of friendship and community services.
- Led the organizing committee of the Diwali Mela and the event saw a footfall of around **50,000+** people. The club was able to raise INR 51,000 which was donated to CanSupport.
- Led a Mega Donation Drive in collaboration with the **Turkish Embassy**; gathered **60+ kilograms** in-kind and collected a monetary donation of INR 20,000.