



Sarvesh Mehtani
Computer Science & Engineering
Indian Institute of Technology, Bombay

170050107
B.Tech.
Gender: Male
DOB: 10-05-1999

Examination	University	Institute	Year
Graduation	IIT Bombay	IIT Bombay	2021

Pursuing **Honors** in Computer Science and Engineering

ACADEMIC ACHIEVEMENTS

- **AIR 1** in **JEE Advanced** and **AIR 55** in **JEE Main** (2017)
- Attended **Orientation-Cum-Selection Camp** for **IMO, HBCSE** (amongst **top 35** in India) (2016)
- Received **Aditya Birla Scholarship**, given to only 15 engineering students in India (2018)
- Recipient of **KVPY Fellowship** and **NTSE Scholarship** under Government of India (2015-16)

WORK EXPERIENCE

Multilingual Representation Learning for Indian Languages Summer 2020
Managers: Partha Talukdar, Shachi Dave | Research Project *NLU, Google Research India*

- Trained **HindiBERT** model on **Cloud TPUs** & obtained SOTA results on **XTREME** Benchmark
- **Collaborated** with **5+** researchers to develop IndicBERT-mBERT focused on Indian Languages

Automated Alpha Generation Winter 2019
Manager: Srinjoy Ganguly | Alpha Researcher *Edelweiss Financial Services Limited*

- Derived profitable **Market Neutral Alphas** in Indian Equity space using **Genetic Algorithms**

Earnings Trading Strategy Development Summer 2020
Manager: Sourabh Sisodiya | Quantitative Research Associate *Quantify Capital*

- Designed **Quantitative Trading Algorithms** to generate **volatility-based** options trading opportunities

ML to Scale-Up NP-Hard Combinatorial Optimization Solutions Summer 2019
Guide: Dr. Deepak Ajwani | Research Project *University College Dublin*

- Worked on scaling **K-Median Solver** by **pruning input dataset** using **Random Forest Classifier**

KEY PROJECTS

Named Entity Recognition for Low Resource Languages - BTP Prof. Sunita Sarawagi

- Exploiting **Language Relatedness** to improve NER Performance on **Low Resource Languages**
- Ideating a novel method for incorporating **cross-lingual info.** through **Induced Bilingual Lexicons**

Flappy Bird Bot - Course Project Prof. Ganesh Ramakrishnan

- Implemented **Genetic algorithm** and **Q-learning** to create an AI for the game Flappy Bird

Secure Personal Cloud - Course Project Prof. Soumen Chakrabarti

- Implemented a **cloud-based file storing system** for Linux & Web with **Hybrid Encryption Schema**
- Implemented **Client-side Encryption** and used **Django** for implementing server back-end

PoolCars - Course Project Prof. Chan Chee Yong

- Engineered a web-based **Car Pooling Application** using **PostgreSQL & Node.js**
- Designed an **ER Data Model** with multiple Entities, Relationship Sets & Triggers

POSITIONS OF RESPONSIBILITY

Teaching Assistant(BB101 Course) Autumn 2018

- Among the 20 students selected for **teaching** a class of **500 1st-year students**

Department Academic Mentor CSE Department | Autumn 2020-Present

- **Mentoring 5 sophomore students** to assist them in navigating department specific-curriculum

EXTRACURRICULARS

- Part of **Institute Contingent** that secured **2nd position** at **Inter-IIT Culturals Meet**
- **Volunteered** under the **National Service Scheme (NSS)** IIT Bombay involving **teaching students at an NGO** and **recording Hindi Audio Books**, as part of the **Voice for Purpose** initiative

Scholastic achievements and extracurricular activities are not verified by the Placement Cell