# MIHIKA JAIN

Hardworking coder. Dedicated team-worker. Passionate logical thinker.

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## EDUCATION

**Mahindra University,** Hyderabad —*BTech in Computer Science*

**August 2019 - June 2023**

CGPA - 8.7

**PAGE Junior College,** Hyderabad — *Intermediate Education*

**June 2017 - March 2019**

12th Boards result - 96.1% (100% in Math)

**Nasr School,** Hyderabad — *High-School Education*

**June 2003 - March 2017**

10th Boards ICSE result - 93.4% (98% in Math)

## PROJECTS

### Community Detection Project - *June 2021-ongoing*

Research paper on community detection. Given two nodes in a graph, we need to predict if they belong to the same community using mathematical and local features of the nodes. The project involved Graph Theory, Machine learning and Python programming.

We came up with a relevant set of mathematical node features that will help predict the communities and tested them using pre-defined community detection algorithms.

### Content-Based Song Recommendation System— *December 2021-ongoing*

Building a content-based song recommendation system.  Will use a set of sound features like intensity, timbre, etc. to classify songs in the dataset and later recommend songs based on past listens. Working with a team of 4. The project includes Machine Learning, Python.

### Full Stack App Project - *November 2021*

Used Python-Flask to build a full-stack working model of an E-commerce website, with a merchant and user side. Created and



## SKILLS

**PROGRAMMING**

**Domains:** Machine learning, Data analytics, Web development, Cloud computing

**Languages**: Python, Java, C, HTML, CSS, JavaScript, XML,

**Applications**: Auto-Cad Inventor, Matlab

**Query Languages:** MySQL and Firebase

## AWARDS

**SCHOLARSHIPS**

**AY-2020** - Received a 1 lakh scholarship from the university for outstanding academic performance.

**AY-2021** - Received a 1 lakh scholarship from the university for outstanding academic performance.

## ACTIVITIES

**CLUBS**

connected relational database tables and queried using MySQL. The front end was HTML, CSS, and Javascript.

### Boston Housing Price Prediction Model - *August 2021*

Built a simple Machine Learning enabled prediction model with front-end that predicts the housing prices in Boston depending on selected features from the Boston-Housing dataset. Used Python Machine Learning libraries and Python-flask. This project qualified me for later project opportunities with the professor organizing the hack.

## EXPERIENCES

### Street Cause MEC - *July 2020- September 2021*

***Head of Human Resources and Executive Board Member***

The team raised over 2.5 Lakh for the given financial year, worked for COVID-19 relief amongst the lower-income areas of the city, distributed food, blankets, medicine, and other necessary items during the lockdown. It also organized several fundraisers and donation drives over the year.

### Marketing Team, Gas Monkeys Racing - *June 2019- September 2020*

Hunted for funding for the Gas Monkeys racing team. As a team, managed to secure 8 Lakh in funding for the given financial year. Created the presentation for the sales event at BAJA SAE India 2020.

### Curations Team, TEDxMahindraEcoleCentrale— *November 2020- March 2021.*

Contacted potential speakers for the event and coordinated with the final list of speakers till the day of the event.

### Pro-Shows, Aether 2k19 - *August - November 2019.*

Scouted for bands and talent to perform at Mahindra's cultural event Aether. Coordinated with the talents as well as with other teams to ensure the smooth running of related events.

Active member of the Artfelt club, Dance club, Literary club and Street cause. Volunteer for animal welfare group of the college.

## SOCIAL ACTIVITY

Active teaching volunteer for MS word, MS Excel, and PowerPoint in Opal Kids summer camp in 2018 and 2019**.**

## LANGUAGES

**English**: First language. Fluent speaker, reader, writer, and listener

**Hindi**: Mother-tongue. native speaker, advanced reader, writer, and listener.

**Telugu**: Local language of my hometown. Listening and Basic Speaking

**German:** A2 Level Certification. Third language in school.

**French**: Basic Reading and Writing. Third language in university.