



Dasari Gnana Heemanshuu
Computer Science & Engineering
Indian Institute of Technology, Bombay

190050029
B.Tech.
Gender: Male
DOB: 10-10-2001

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2023	

Pursuing a degree in **Management** offered by SJMSOM, IIT Bombay

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 184** in the **JEE Advanced** examination out of **246,000** eligible candidates (2019)
- Recipient of the prestigious **Kishore Vaigyanik Protsahan Yojana (KVPY)** Fellowship (2019)
- Scored **99.97 percentile** with **All India Rank 269** in **JEE Mains** examination (**Paper 1**) (2019)
- Achieved **All India Rank 34** in the **AP EAMCET** examination out of **185,700** aspirants (2019)

INTERNSHIP EXPERIENCE

Record Linkage Tool for Clinical Drug Names | ZenoHealth | Data Science Intern

May 2021-July 2021

- Engineered a **record linkage** method for large drug databases based on **Levenshtein** distance and resolved the problem of having to manually perform around **3 billion checks**
- Improved results by employing extensive measures such as **stop word removal** and **suffix expansion**
- Enhanced** existing product data to increase consumer's information about a drug in a **\$40Bn** market

Academic Content Creator | Paathshaala Education

Winter 2020

- Developed quality academic content in **video form** for over **70+ questions** with detailed solutions in Physics
- Included various problem solving methods to assist in developing critical thinking in over **1400+ students** enrolled

POSITIONS OF RESPONSIBILITY

Events Secretary | Hostel 2, IIT Bombay

September 2020-May 2021

Part of a **37 membered council** responsible for executing all events for **500+ hostel inmates**

- Responsible for devising **new initiatives**, overseeing **event execution** and carrying out **publicity** of events
- Conducted a **Resume Making Session** for sophomores with **75+ attendees**
- Organised a **Fantasy IPL** contest which saw participation from over **100+ hostel inmates**

Marketing Coordinator | Mood Indigo 2020-21

May 2020-December 2020

Asia's largest college cultural festival | Footfall: **146,000+** | Events: **240+**

IIT Bombay

- Worked in a team of **40** to pursue the marketing budget required for the 50th edition of Mood Indigo
- Executing **brand integrations** with a wide range of events for brands in the **herbal** sector

KEY PROJECTS

Plagiarism Checker

Course Project, Autumn 2020

- Developed an online **copy checking** tool based on **Latent Semantic Analysis** on a website using **Django** which allows registered users to login, upload, process, view and download the percentage similarities between pairs of files

Machine Learning with PCA

Course Project, Autumn 2020

- Applied **Principal Component Analysis** from scratch to generate the closest representation for each image of handwritten digits in a data set as a linear combination of mean and first four eigenvectors using **Forbius Norm**

Quad-Trees

Course Project, Autumn 2020

- Implemented a **tree structure** in C++ to represent black and white images in **reduced space**
- Facilitated operations such as **boolean disjunction** and **intersection** between two images, along with complementation, resizing and extracting part of an image using **dynamic programming**

Playing Mastermind

Course Project, Spring 2020

- Created a player using **z3 python interface** to correctly guess a hidden sequence of colours based on feedback (on its guesses) from another player, which may give wrong feedback at times

TECHNICAL SKILLS

Programming	C++, Python, Java, BASH, SQLite3, C
Web Development	Django, Angular, HTML, CSS
Data Science	NumPy, SciPy, Pandas, Matplotlib
Software & Tools	Git, LaTeX, MATLAB, AutoCAD, Solidworks

EXTRACURRICULARS

- Invited to attend the **Vijyoshi Camp**, organized by the **Indian Institute of Science**, Bangalore for facilitating interaction between bright young minds and leading researchers (2020)
- Completed a year long **vocal music** course under National Sports Organisation (NSO) (2019-20)
- Visited **Vadodara, Gujarat** to understand the development works of an NGO in **education and women empowerment** with **GRA (Group for Rural Activities)**, IIT Bombay (2019)
- Secured **6th place** among **200+ teams** in the Narayana Inter School Quiz conducted by **Siddhartha Basu** (2014)

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