



KETHARI NARASIMHA VARDHAN

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Academic Details			
Year	Degree	Institute	CGPA/Marks(%)
2024	B.Tech Mathematics and Computing	Indian Institute of Technology Hyderabad	8.56
2020	XII (Telangana State Board of Intermediate Education)	Sri Chaitanya Junior Kalasala	95.4%
2018	X (Board of Secondary Education, Telangana)	Dr. KKR Gowtham Educational Institution	9.5

Scholastic Achievements

JEE Advanced 2020: Secured an All India Rank 2855 among 250,000 candidates

JEE Main 2020: Secured 99.44 percentile among 1 million candidates

Cleared PRMO and qualified for RMO 1st level is 2018

Earned a Licensed Certificate in Coursera on **Python for Everybody Specialization**, offered by University of Michigan

Currently enrolled in **Applied Data Science with Python Specialization** in Coursera, offered by University of Michigan

Currently a 2-star coder in CodeChef

Skills

Languages: Proficiency in Python, Comfortable at C & C++, Familiar with Prolog, SQL, HTML, MATLAB

Softwares & Tools: LaTeX, Git, Vim Editor, PyCharm, Xcode, iMovie, Grapher, Mac Pages, Mac Numbers, Mac Keynote

Interpersonal: Public Relations, Leadership, Communication

Relevant Courses

Combinatorics	MA1240
Introduction to Number Theory	MA1250
Introduction to Group Theory	MA2070
Linear Algebra	MA4020
Ordinary Differential Equations	MA4030
Probability Theory	MA4040
Applied Statistics	MA4240
Data Structures and Applications	ID2230
Data Structures and Applications Lab	MA2233
Artificial Intelligence	AI1100
Convex Optimization	AI2101
Theory of Computation	CS2030
Algorithms	CS2443
Python for Everybody Specialization	Coursera

Work Experience

Public Relations Coordinator at Elan & ηVision 2022, IIT Hyderabad

- Analyzing the public opinions, and drafting efficient strategies accordingly while managing all the social media handles, and maintaining all the databases. Public Image of the fest.
- Managed more than 200+ Campus Ambassadors for the fest with a team of around 45 volunteers.
- Managed all the socials of Elan & ηVision along with my fellow coordinators.

Operations Manager at E-Cell, IIT Hyderabad

- Responsible for managing and deciding the flow of in-campus events, taking care of every aspect needed in order to conduct the event.
- Conducted Biz-Quiz during E-Summit 2022, the annual flagship event of E-Cell.
- Was a CA Manager and lead 30 Campus Ambassadors assigned to me.

Quiz Club Coordinator at Literary Society, IIT Hyderabad

- The core of Literary Society, one of the most active clubs. As a club, we conduct various sessions and quizzes through out the year.
- Introduced Let's Get Trivial, facts on various topics for increasing the general knowledge, and insights on current affairs for the student community.
- Conducted three quizzes in an online mode, and four quizzes in an offline mode, in different genres.

Positions of Responsibility

Public Relations Coordinator at Elan & ηVision, IIT Hyderabad	2021-22
Operations Manager at E-Cell, IIT Hyderabad	2021-22
Quiz Club Coordinator at Literary Society, IIT Hyderabad	2021-22
Content and Outreach Team at ACM Student Chapter, IIT Hyderabad	2021-22
Departmental Representative of CSE, Math at Diesta, IIT Hyderabad	2021-22

- Class Representative of MnC Branch, IIT Hyderabad 2021-22
- Class Representative of MnC Branch, IIT Hyderabad 2020-21
- UG Student Buddy at Sunshine, IIT Hyderabad 2020-21

Projects

- **Pagerank Algorithm** Personal Project
 - Python Capstone Project
 - Part of Coursera Specialization on Python for Everybody
 - Used by Google Search to rank their webpages for their search engine results
- **Elliptic Curve Cryptography** January 2022 - Present
 - Group Project on Elliptic curves and their applications on cryptography
 - Studying about elliptic curves in details and implementing them in programming language
- **Heuristic Optimization Algorithms** April 2022
 - Group Project as part of AI2101 Course Work, under Prof. Aditya T Siripuram
 - Working on non-convex problems to solve using heuristic approaches
 - 3 different algorithms - Traveling Salesman, Tabu Search, and Knapsack
- **Cluster Analysis** December 2021
 - Group Project as part of MA2233 Course Work, under Prof. Balasubramaniam Jayaram
 - Clustering using Minimum Spanning Trees
 - Clustering of randomly generated points on various termination criteria
- **Intricacies of Study Environments at IIT Hyderabad** April 2022
 - Group Project as part of MA4240 Course Work, under Prof. Sameen Naqvi
 - Conducting a survey of various preferences while studying over the IITH Student Community
 - Analyzing the collected data and forming inferences

Extracurricular

- Actively participated and conducted various events while holding various Postions of Responsibilities at IIT Hyderabad
- Part of School Cricket Team (Inter-School) Playing XI as a Bowler in Bharatiya Vidya Bhavans Public School Vidyashram, Jubillee Hills, Hyderabad
- Part of School House Football Team (Inter-House) Playing XI as a Defender in Bharatiya Vidya Bhavans Public School Vidyashram, Jubillee Hills, Hyderabad