



Vaarshik Reddy C

Roll No. 180123052

B.Tech. - Mathematics and Computing
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Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	IIT, Guwahati	8.02 (Current)	2018 - Present
Senior Secondary	SSC Board	97.2%	2016-2018
Secondary	CBSE Board	10.0	Till 2016

Experience

- **Karvy Data Management Services Limited** Hyderabad, India
Mentor Name- Mr. Ch. Murali Krishna May 2019 - July 2019
 - Analyzed how a financial services company works by learning from the employees of each sector.
 - Worked on the "Project Management Tracker" project of the IT sector of Karvy Infotech with codebase - Java, CSS, and HTML.
 - Created log-in pages for various sectors.

Projects

- **Learning Project in Probabilistic Inequalities** Ongoing
Dr. Subhamay Saha, Associate Professor, Dept. of Mathematics, IIT Guwahati
 - Understanding more about the major inequalities which are of high application in the real world like Markov inequality, Chebyshev inequality, Bennetts Inequality, etc. majorly from the book "**Concentration Inequalities- A Non-asymptotic Theory of Independence**" by Gábor Lugosi, Pascal Massart, and Stéphane Boucheron".
- **MNIST Handwritten Digit Classification**
 - Developed and implemented a simple Convolutional Neural network model to classify handwritten digits from 0-9 using the MNIST dataset.
- **Iris Flowers Classification ML Project**
 - Used linear as well as nonlinear algorithms to make and evaluate predictions on the type of a given flower using the Iris dataset

Technical Skills

- **Programming Languages::** C++, Python, Java*
- **Web Technologies:** HTML, CSS, Javascript*
- **Database management::** MySQL
- **Miscellaneous:** Git
- **Operating Systems:** Windows, Linux*
- **Finance Related:** Consulting * Elementary Proficiency

Key courses taken

- Database Management Systems and its Lab
- Data Structures and Algorithms
- Machine Learning by Andrew N G
- Computer lab in C and C++
- Number Theory
- Financial Engineering
- Convolutional Neural Networks For Visual Recognition
- Deeplearning.ai in Coursera
- Probability Theory and Random Processes
- Discrete Mathematics

Positions of Responsibility

- **External Affairs Head, Technical Board IIT Guwahati**
- **Event Organizer, MATRIX-Board of Department of Mathematics.**
- **Mess Committee Head, Mess Management Committee, Hostel Board IIT Guwahati.**
- **Organizer, Nexus(the Corpo-Technico Conference) and Exhibitions Techniche 2019 (The techno-management fest of IIT Guwahati):**
 - Developed new techniques for organizing the conference and diversified it into the most successful event of Techniche 2019.

Achievements

- **CreativeShock 2019:** Stood 94th position in the Worldwide held consulting competition.
- **Kriti(Technical Competition of IITG):**
 - Automobile Case Study Competition: Bagged the 3rd position in a consulting competition where an optimal solution had to be given to how an electric automobile had to be sold in the Indian market. (2019)
 - Economist Opinion: Bagged 2nd position in this competition where we had to understand the great economic crisis in many countries. (2018)
- **Product Management Expedition, Udgam 2020:** Worked on ensuring quality in crowd-sourcing annotations for Playment, a data labeling platform which provides training data for computer vision models.
- **Joint Entrance Examination - Adv 2015: AIR 923**