

Kosaraju Jyothsna Abhay

Academic Details				
Year	Degree	Institute	CGPA/ Marks(%)	
2026	B.Tech in Engineering Science	IIT Hyderabad	8.59	
2022	XII (Board of Intermediate Education Andhra Pradesh)	FIITJEE JUNIOR COLLEGE, VIJAYAWADA	96.6%	
2020	X (Board of Secondary Education Andhra Pradesh)	FIITJEE (EM) HIGH SCHOOL, VIJAYAWADA	99.83%	

Scholastic Achievements

Secured an All India Rank 3070 in JEE-Advanced Secured an All India Rank 9033 in JEE-Mains Secured an All India Rank 201 in UGEE Secured State Level 561 Rank in AP-EAPCET

Positions of Responsibility

- Overall Head of GLITCH 2024-25, The Video Game Club of IIT Hyderabad Responsible for the Planning and Organization of the Club
- Sponsorship Head of MILAN 2024-25, The General Championship of IIT Hyderabad
 Responsible for Planning and Developing key strategies to attain sponsorships for the Fest
- Workshops Coordinator at Elan & nVision'24, The Annual Techno-Cultural Fest of IIT Hyderabad
 Responsible for scheduling and coordinating the Workshops of Elan & nVision to raise funds for the Fest
- Sponsorship Coordinator at MILAN 2023-24, The General Championship of IIT Hyderabad Responsible for attaining sponsorships for the Fest
- E-Sports Coordinator at GLITCH 2023-24, The Video Game Club of IIT Hyderabad Responsible for Planning and Hosting eSports events
- Member of Mess Monitoring Committee 2023-24, IIT Hyderabad Responsible for Proper functioning of the Mess Facilities

Skills

- Programming Languages: C, C++, JavaScript, Python, MATLAB, Fortran
- Technologies & Frameworks: Web(HTML, CSS, ReactJs, NodeJs, ExpressJs)
- Database: MongoDB, MySQL
- Libraries: NumPy, Pandas, Matplotlib, Seaborn, NLTK, Scikit-learn, RE

Relevant Courses

- Computer Science: Data Structures and Applications, Algorithms, Theory of Computation, Database Management Systems-II, Introduction to Programming, Discrete Maths for Computer Science, Operating Systems-I, Compilers-I, Introduction to Computing
- Mathematics: Calculus-I, Calculus-II, Elementary Linear Algebra, Differential Equations, Transform Techniques, Probability, Introduction to Statistics
- Misc: Artificial Intelligence, Numerical Methods, Digital Fabrication, Probability and Random Variables, Financial Institutions and Markets

Projects

Hate Speech Detection

- Developed a Hate Speech detection application using Python, utilizing Pandas and NumPy for efficient data manipulation.
- Applied scikit-learn's decision tree for Supervised Learning, demonstrating versatile Python library utilization.
- Visualized performance metrics with Matplotlib and Seaborn to gauge model accuracy.

Spam SMS Classification

- Developed a Spam SMS classification application using Python, leveraging different libraries for data processing.
- Utilized NLTK for text preprocessing and feature extraction, enhancing model accuracy.
- Simple terminal based interface for practical application of ML techniques.

Credit Exploratory Data Analysis:

- Conducted EDA and visualization using Python libraries to derive insights into financial attributes and characteristics.
- Utilized statistical measures and visualizations such as box plots and correlation matrices to uncover patterns.
- Applied feature engineering techniques on a Dataset retaining relevant columns and handling missing values effectively.

Extracurricular