

Kosaraju Jyothsna Abhay

| Academic Details | | | |
|------------------|---|---|-------------------|
| Year | Degree | Institute | CGPA/ Marks(%) |
| 2026 | B.Tech in Engineering Science | IIT Hyderabad | 8.58 |
| 2026 | Minor in Entrepreneurship | IIT Hyderabad | N.A |
| 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% |

| Secured an All India Rank 9033 in JEE-Advanced Secured an All India Rank 201 in UGEE Secured a State Level Rank 561 in AP-EAPCET | 2022 2022 2022 2022 |
|--|------------------------------|
| Positions of Responsibility | |
| Overall Head of GLITCH, The Video Game Club of IIT Hyderabad | 2024-25 |
| Responsible for the Planning and Organization of the Club | |
| Sponsorship Head of MILAN, The General Championship of IIT Hyderabad | 2024-25 |
| Responsible for Planning and Developing key strategies to attain sponsorships for the Fest | |
| Workshops Coordinator at Elan & nVision, The Annual Techno-Cultural Fest of IIT Hyderabad | 2023-24 |

Scholastic Achievements

Skills

Responsible for scheduling and coordinating the Workshops of Elan & nVision to raise funds for the Fest

- Programming Languages: C, C++, JavaScript, Python, MATLAB, Fortran
- Libraries: NumPy, Pandas, Matplotlib, Seaborn, NLTK, Scikit-learn, RE

oured on All India Dank 2070 in IEE Advanced

- Technologies & Frameworks: Web(HTML, CSS, ReactJs, NodeJs, ExpressJs)
- Database: MongoDB, MySQL
- Misc: Git, GitHub, Solid Edge

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.

Book Library Website:

- Developed a book catalog website using the MERN stack(MongoDB, Express.js, React, and Node.js).
- Created an API with Express.js to handle CRUD operations for book data ensuring efficient backend communication.
- Implemented a responsive frontend with React to display, add, update, and delete book entries, enhancing user experience.

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.

Extracurricular

- NSO Cricket, IIT Hyderabad
 - Active participant in Diesta'23, Diesta'24(Inter-Departmental Championship), MILAN'23(Inter-Hostel Championship)
- Overall Coordinator of the Student Volunteer Team, 13th Convocation IIT Hyderabad