Harshini Pasupula

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mathematics and Computing
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.S. (MNC)	Indian Institute Of Technology, Patna	8.63(current)	2022-Present
Senior Secondary	FIITJEE	97.3%	2022
Secondary	Sri Chaitanya E.M.H.School	98.5	2020

PROJECTS

- **Diabetes Analysis by classification**

  (Guide:Prof. Jimson Mathew)   *[Github-link]*
  - This project involves **Extreme EDA** on a diabetes dataset using Python and its libraries . A **supervised classification model** was trained with **regularization techniques** to improve performance. Finally, the model was evaluated on the test dataset for accuracy and insights.
  - **Key Technologies :-** Language :Python, **Libraries & Tools:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn .

- **Retail Billing System Implementation in C**

  (Group project)   *[Github-link]*
  - Program implements a basic shopping cart system for a retail store using structures and linked lists. Calculates the total bill, with discounts applied based on the total amount. The program utilizes a linked list to dynamically store and manage the items selected by the user, ensuring efficient data handling.
  - **Key Technologies :-** C++ language

- **Attendence management through QR code**

  (Guide:Prof. Mayank Aggarwal)   *[Github-link]*
  - Calculates proxies and count of lectures attended by the students on each day(2 lectures scheduled per day) ,specified with particular format of colours .. red-absent(0)/out range marked,yellow-partial(1) ,green-full(2), blue-non lecture days
  - **Key Technologies :-** Python and libraries

SKILLS SUMMARY

- **Programming tools:** Python and it's libraries, C,C++, Matlab, Google Colab, Github
- **Miscellaneous:** Machine Learning Algorithms , Data Structures and Algorithms
- **Strengths** Quick learner, self oriented, good written and communication skills

KEY COURSES TAKEN

- Data Structure and Algorithms (Theory + Lab)
- Data Science
- Computer Architecture (Theory + Lab)
- Theory of Computation
- Numerical Linear Algebra(Theory + Lab)
- Probability Theory and Random Processes
- Introduction to C (Theory + Lab)

ACHIEVEMENTS

- **AP EAMCET:** Secured a rank of 1971 among 0.2 million candidates.   *[2022]*
- **:** Had the opportunity to change my academic specialization in the first year due to achieving a good CGPA.
- **Management Project Course:** Secured 1st place for successfully presenting and setting up a small business on campus.*[2024]*
  - **Leveraged data-driven insights for analysis and visualization.**

EXTRACURRICULARS

- **CELESTA:** Sub Co-ordinator for Creative and Designing Team at IITP.   *Annual tech fest*
- **NSS and Sports:** Volunteered for NSS at IITP. Interested in volleyball and badminton.