

PRANAVA AKSHARA DACHEPALLY

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Education

VNR Vignana Jyothi Institute of Engineering and Technology May 2025
Bachelor of Technology - Artificial Intelligence and Data Science; GPA-8.9

Sree Venkateshwara Junior College March 2021
Intermediate - MPC ; Percentage - 96.4

Relevant Coursework

- Data Structures
- Analysis of Algorithms
- Artificial Intelligence
- Computer Networks
- Software Engineering
- Database Management
- Operating Systems
- Linear Algebra

Internships

International Institute of Information Technology, Hyderabad May 2023 – July 2023
Research Intern - Srishti 2023 Hyderabad, India

- Curated a comprehensive corner cases dataset for visual perception of autonomous vehicles, enabling accurate real-world testing and improving safety measures for the Computer Vision lab.
- classified the corner cases into 17 different classes , so that the further model can be trained using this data.
- A total of 18,000 pictures have been identified and segregated into the 17 classes.
- The creation of this dataset will enable the increased accuracy of the object detection model easily by 40 percent.

Projects

Sentiment Analysis on a particular text | Python, Machine Learning, Data Handling December 2023

- Developed and implemented a high-accuracy AI model utilizing machine learning algorithms to perform sentiment analysis on text, categorizing it into distinct categories for diverse applications; achieved an average accuracy rate of over 90 percent

Chat application | TCP/IP protocols August 2023

- Crafted a functional chat application using the computer network protocols with 92 percent proficiency in network communication.
- Designed a secure messaging platform enabling real time communication between users.
- Used socket programming techniques to establish a connection and facilitate seamless data transmission, ensuring reliability in the application.

BloodBank Management System | DBMS October 2022

- Engineered an interface specifically designed to handle the large-scale data of donors, including a large variety of donors and their blood groups. Introduced an online public access feature for the process of blood donation.
- Processed user inputted information in the back-end of the interface to return a suitable donor based on blood group selected which can increase the lives saved by 40 percent.

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, SQL, Bootstrap

Developer Tools: VS Code, Google Cloud Platform, Microsoft Azure

Technologies/Frameworks: Linux, Unix, Frontend Technologies, Backend Technologies, GitHub

Leadership / Extracurricular

Computer Society of India 2022 – present
Active Member

- Orchestrated engaging workshops as an active member , facilitated growth of the chapter membership by 45 percent.

National Service Scheme 2022 – present
Organising Committee Member

- Directed a unit of 33 individuals, coordinating meetings to drive progress in essential club functions, resulting in a 40 percent increase in funds raised and a 15 percent volunteer growth.
- Escorted a group of 200+ volunteers to work for events that helped and served the needy and deserved communities.

Street Cause 2022 – 2023

Vice President - Women Empowerment

- Managed executive board of 5 members and ran meetings to oversee progress in essential parts of the club.
- Led team of 60+ members to work towards goals that improve and promote community service, academics, and unity.