

DAMARLA SAI SAMPREETH

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EDUCATION

B. Tech (CSE-AIML) - VNR Vignana Jyothi Institute Of Engineering and Technology. Expected 2026
Aggregate: 8.2 CGPA (Till 6th Sem)
Relevant Coursework: Design Thinking, DBMS, ML

Intermediate (MPC) - Sri Chaitanya Junior Kalasala. 2020 - 2022
Aggregate: 95.5%

SKILLS

Programming Languages	C, C++, Python
Web Development	HTML, CSS, JavaScript
Database	MySQL
Data Visualization Tools	Tableau, Power BI
Soft Skills	Analytical Thinking, Problem Solving, Team Collaboration

EXPERIENCE

Summer Intern April 2024 - June 2024
Xairo Tech Private Limited *Hyderabad, India*

- Coordinated the “Classification of Chest Pain” project, applying Design Thinking principles to explore user-centric solutions for distinguishing heart attacks from gastric pain. Led empathetic research and stakeholder interviews with cardiologists and patients, uncovering critical insights and potential solution pathways. Delivered findings that informed future development strategies, impacting considerations for 100+ patients weekly.

PROJECTS

AI Virtual Mouse

- Developed a gesture-controlled virtual mouse using OpenCV and MediaPipe for real-time hand tracking.
- Achieved 88.85% gesture recognition accuracy through optimized detection pipelines.
- Implemented finger-tracking features for left-click, right-click, and scrolling actions.
- Ensured smooth interaction at 60 FPS, improving responsiveness and user experience.

Alumni Portal Web Application

- Built a full-stack web application using HTML, CSS, JavaScript, and MongoDB to connect alumni and students through profile-based networking.
- Designed and developed an interactive UI with search functionality to find alumni by industry and expertise, enabling mentorship and career growth.
- Implemented MongoDB database for secure storage of user profiles, updates, job postings, and event listings.

CERTIFICATIONS & ACHIEVEMENTS

- Amazon ML Summer School 2024:** Selected for Amazon ML Summer School 2024, a competitive program focused on advanced machine learning concepts.
- Completed **NPTEL Certification** in **Privacy and Security in Online Social Media**, gaining knowledge in data privacy and digital security.
- Secured **2180 rank in TS EAMCET 2022**, demonstrating strong academic performance.

EXTRA-CURRICULAR ACTIVITIES

- Entrepreneurship Cell (ED Cell):** Organized startup workshops and pitch events attended by 100+ aspiring entrepreneurs, resulting in a 30% increase in student participation in entrepreneurial activities on campus.
- National Service Scheme (NSS):** Coordinated 5+ community service programs, including health camps, blood donation camps, and educational drives, impacting 500+ local residents.
- Student Alumni Relations Cell (SARC):** Organized 5+ networking events and mentorship programs, enhancing student-alumni relationships and improving alumni engagement by 40%.