Manaswini Mudivarti

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EDUCATION

Auburn University *(Expected: Spring 2026)* *Auburn, Alabama, U.S.A*
Master of Science in Computer Science and Software Engineering

Jawaharlal Nehru Technological University *(Summer 2023)* *Hyderabad, Telangana, India*
Bachelor of Technology in Information Technology

Relevant Coursework – Human Computer Interaction, Web Programming, Data Structures, Data Analytics, Data Mining, Database Management Systems, Java Programming, Artificial Intelligence, Machine Learning, Topics in Computer Vision.

TECHNICAL SKILLS

Languages - HTML/CSS, JavaScript, Python, Java, R, C, C++.
Technologies – UI/UX designing, Figma, Adobe Creative Suite, Linux, SQL, Tableau, Spreadsheets, MS Office.

CERTIFICATIONS

Graduate Certificate in Data Engineering *(Fall 2024)* *Auburn, Alabama, U.S.A*
Graduate Certificate in Artificial Intelligence Engineering *(Fall 2024)* *Auburn, Alabama, U.S.A*
Google Data Analytics Professional Certificate *(Fall 2024)*
Google Advanced Data Analytics Professional Certificate (Summer 2025)

WORK EXPERIENCE

79˚Longitude- Junior Designer *(Spring 2023)* *Hyderabad, Telangana, India*

- Worked for the organization to design aesthetic brochures, posters, and banners to improve the publicity of the organization.
- Provided significant technical support to design and develop the website for the organization.

1Stop – Software Developer Intern *(Fall 2021)* *Hyderabad, Telangana, India*

- Implemented the concepts of AI-like Keras and TensorFlow.
- Developed considerable models in Python to recognize objects and digits using AI.

PROJECTS

Capstone Engineering Project *(Fall 2024)*

- Worked under the guidance of Dr. Yue and Dr. Chen to develop and implement AI-driven techniques for biomarker discovery and drug repositioning in complex diseases.
- Leveraged multi-omics data, relational database systems, and high-performance computing for advanced bioinformatics research.

Realtime Facial Emotion Detection System *(Fall 2024)*

- Designed and implemented a multi-modal real-time system that leverages CNNs for emotion detection, age and gender prediction, as well as speech, place, and context recognition, integrating dynamic feedback mechanisms such as emoji overlays and intensity-based visualizations.
- Utilized an interactive UI to create engaging and visually appealing visualizations for users.