# Manaswini Mudivarti

Auburn, Alabama | U.S.A

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## EDUCATION

**Auburn University** *(Expected: Spring 2025)* *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** – Data Structures, Data Analytics, Data Mining, Database Management Systems, Programming for Problem-Solving, Object-Oriented Programming using C++, Java Programming, Web Programming, Artificial Intelligence, Machine Learning, Topics in Computer Vision.

## TECHNICAL SKILLS

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

## 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)*

## 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.