S.M. PHANI TEJA UPADHYAYULA

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# EDUCATION

The University of Texas at Arlington  **Dec 2025**

**Master of Science (MS), Computer Science** GPA: 4.00 / 4.00  
Relevant Coursework: Algorithms, Software Engineering, Data Analysis and Modelling, Machine Learning

Jawaharlal Nehru Technological University **May 2023**

**Bachelor of Technology (BTech), Information Technology** GPA: 3.55 / 4.00

Relevant Coursework: Data Structures, Web Development, OOP’s, Operating Systems, Computer Networks

# SKILLS

**Programming Languages**: C, Python, Java, SQL JavaScript. SQL, HTML5, CSS3

**Other Technologies** React JS, Android Development, Node JS, Git, Jira, Linux, Flask, Postman, Streamlit, GCP, REST API, Angular JS, Agile Development Lifecycle, CI/CD Integrated Development, Test Driven development, Microservices, SpringBoot, Object Oriented Programming, UI/UX Prototyping, Machine Learning, Deep Learning, NLP

# EXPERIENCE

Entrepreneurship Cell-GRIET (E-Cell), Hyderabad, India **May 2021 – May 2023**

**Student Web Developer**

* Architected and launched the E-Cell web page leveraging HTML, CSS and JavaScript; attracted 500+ new members, leading to a 30% rise in member interactions.
* Optimized user experience by strategically implementing Bootstrap and CSS, enhancing webpage performance and reducing latency by 95%, resulting in a 30% increase in average session duration.

Cosups Pvt Ltd (Remote) **Dec 2020 – Feb 2021**

**Android App Developer Intern**

* Engineered a comprehensive Android Application for an Event Management firm using Java, Android Studio, SQL, MVC, Adobe XD; streamlined event planning processes and boosted client satisfaction by 30%.
* Spearheaded the Design, Development, Testing, Debugging, Deployment, Maintenance and Validation of the Application.

**PROJECTS**

**Finflow** (Skills: Android Studio, Java, Git, API Handling, Firebase, GIT, Firestore)

* Created a comprehensive budget management tool on Android, including reminders for bill payments and detailed spending analysis, which boosted user engagement by 25% and increased app retention rates by 15%.
* Integrated a stock watchlist and real-time news viewer feature, using MarketWatch API, boosting user interaction by 60% and keeping users informed with the latest financial news.

**SAGA – Scan and Get Attendance App** (Skills: Android Studio, Java, Git, API handling, GCP, Postgres, GIT)

* Revolutionized attendance tracking by developing a Java-based Android app with dynamic QR code generation, leveraging Google Sheets API and Postgres DB, saving the technical club 20 hours per week in manual data entry.

**Autism Prediction in Children** (Skills: Python, TensorFlow, Pandas, NumPy, Streamlit, Sklearn)

* Headed a 4-person team to develop an Autism prediction model using machine learning, achieving 85% accuracy; employed Matplotlib and Seaborn for visualization and Pandas, NumPy, and Sklearn for data manipulation.
* Improved autism detection feature by 40% through a comparative study of Inception V3, DenseNet 169, and custom deep learning models; focused on predicting autism likelihood from child images

**Liver Cancer Acknowledger** (Skills: Python, Pandas, NumPy, Streamlit, Sklearn)

* Developed and led a team of 4 to innovate a Liver Disease Acknowledger, that predicts the presence of Liver Carcinoma based on the level of various enzymes and hormones secreted by the organ.
* Applied statistical analysis, feature engineering and leveraged multiple machine learning algorithm(SVM, Random Forest, KNN etc) resulting in 30% improvement in model accuracy. (presented in OTCON 2022 Conference – (IEEE))

**Underwater Fish Species Classifier (**Skills: Python, TensorFlow, Pandas, NumPy, Streamlit, Sklearn)

* Lead a team of 4 and performed a comparative study on Classification of Underwater fish species using custom built CNN architectures (VGG16, ResNet50 and MobileNetV2) (presented in ICDSA 2023 Conference - Springer)