

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 OTCN 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](#))