S.M. PHANI TEJA UPADHYAYULA

+1 (341) 206-5185 phanitejau@gmail.com phaniteja25 phanitejau

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

QuizMaster (Skills: Angular JS, SpringBoot, Git, RESTful API, PostgresSQL, GIT, AWS, Postman API Testing)

- Developed an online exam portal leveraging Spring Boot for the backend, Angular for the frontend, and PostgreSQL for the database. The portal features administrative capabilities for creating quizzes and a student interface for logging in and participating in these quizzes.

LeetReminder (Skills: Python, Flask, Cron Jobs, API handling, GCP, AWS, Postgres, GIT)

- Implemented a Spaced Repetition-based Flask application, boosting user retention of concepts of data structures and algorithms problems on Leetcode by 35% by scheduling email reminders to revisit previously solved problems.
- Implemented OAuth2.0 for secure Google Sheets access and deployed the app on GCP App Engine, reducing manual data monitoring by 50 hours per month with automated email notifications.

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

- 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.

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.
- Further, enhanced the model by conducting a Comparative Study, between Inception V3, DenseNet 169 and custom deep learning models; developed a feature that predicted autism likelihood from child images, enhancing early detection by 40% compared to machine learning models

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))