

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 1, 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 Studio Node JS, Git, Jira, Linux, Flask, Postman, Streamlit, GCP, REST API, Angular, Agile Development Lifecycle, CI/CD Integrated Development, Test Driven development, Microservices, SpringBoot, Object Oriented Programming, UI/UX Prototyping, Adobe Creative Suite, Content Management System (WordPress)

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.
- Enhanced UX through strategic use of Bootstrap and CSS, optimizing webpage performance and reducing latency by 95% ,leading to a 30% increase in session duration.
- Led the technical support team in addressing website challenges for the entrepreneurship faculty, reducing issue resolution time by 40%. Embedded multiple videos and photos on the website

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

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.
- Designed and deployed Python cron jobs to analyze data in Google Sheets, sending automated email notifications via SMTP server; reduced manual monitoring by 50 hours per month.
- Managed user authentication for accessing user's google sheets using OAuth2.0 present in GCP and deployed the application on GCP App Engine and database on AWS RDS instance (PostgreSQL database).

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)

- Directed a 4-member team to develop an Autism prediction model using machine learning; achieved an 85% accuracy rate and utilized Matplotlib, Seaborn for data visualization and Pandas, NumPy, Sklearn for data manipulation building the model.
- Conducted a comparative study, fine-tuned and built custom deep learning models; developed a feature that predicted autism likelihood from child images, enhancing early detection by 40%.

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

- Innovated a Liver Disease Acknowledger with a team of 4, employing ML algorithms for enzyme and hormone analysis, improving early liver cancer detection by 40%; presented at OTCN 2022 (IEEE).