

PRANAV PATNALA

Hyderabad, India | +91 7013776959 | pranavpatnala@gmail.com | [LinkedIn](#) | [Github](#) | [Website](#)

PROFILE SUMMARY

A Computer Science Engineering Graduate with strong technical skills, problem-solving abilities, and a passion for innovation. Proficient in software and web development, eager to apply expertise in dynamic environments. Committed to continuous learning and collaborative teamwork to drive excellence.

EDUCATION

GITAM University <i>Bachelor of Technology</i> CSE CGPA: 8.31	Hyderabad, Telangana 2021-2025
Sri Gayatri Jr College <i>Intermediate Education</i> Percentage: 94.3%	Visakhapatnam, A.P. 2019-2021
Chaitanya Public School <i>Secondary Education</i> CGPA: 9.8	Visakhapatnam, A.P. 2018-2019

WORK EXPERIENCE

Web Developer Intern June 2024 - July 2024

Electric Vehicle Charging Station Finder (Ampcharge)

Designed and developed a full-stack web application using Node.js, Express.js, and MongoDB to facilitate EV charging slot booking and station management. Implemented user authentication, booking management, and an admin panel for managing charging stations. Utilized React and Vite to create a responsive front-end ensuring smooth user experience.

PROJECT EXPERIENCE

AI Desktop Assistant

- Developed a Python-based AI assistant using Pyttsx3 and Speech Recognition, enabling users to interact with their desktop and online resources efficiently through hands-free voice control. Key features include application control, web search, YouTube playback, and email automation.

UBSecure (OS Hardening Tool)

- Created during the 24 hour Smart India Hackathon 2023. This Python application is a user-friendly GUI built with PyQT, allowing users with minimal IT Knowledge to harden Ubuntu Systems as per Organisation Policies. PysonDB was used for storing templates in the database. Hardening codes written in Bash Scripts.

Address Book

- An application designed for saving and managing contacts. This application was developed using Python, utilizing Tkinter python library for constructing GUI and SQLite3 to store the data.

Hybrid Deep Learning Model for Detecting Fake Faces

- Developed a hybrid deep learning model combining GAN and ResNet50 with a Channel-Wise Attention Mechanism to detect AI-generated fake human faces. Achieved 70% classification accuracy. This model was implemented using Python, Tensorflow, Scikit-learn, Resnet and GAN.

TECHNICAL SKILLS

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| <ul style="list-style-type: none">Programming Languages: Python, JAVAWeb Technologies: HTML, CSS, React3D Design & Modeling: Fusion 360 | <ul style="list-style-type: none">Databases: SQL, MongoDBUI/UX Design & Prototyping: FigmaAPIs & Integrations: Google Maps API |
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CERTIFICATIONS

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| <ul style="list-style-type: none">Deloitte Australia Data Analytics Job Simulation on ForageProgramming for Everybody (Getting Started with Python) | <ul style="list-style-type: none">Core JAVA(LearnQuest)Web Development Fundamentals (IBM) |
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ACHIEVEMENTS

- Achieved 1st place in **TechEscapades**, a college-hosted technical treasure hunt competition.