

# PRANAV PATNALA

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## EDUCATION

**GITAM University**  
*Bachelor of Technology*

**Hyderabad, Telangana**  
2021-2025

## WORK EXPERIENCE

### UNIFIED MENTOR

**Hyderabad, Telangana**  
June 2024 - Jul 2024

#### Electric Vehicle Recharge Slot Booking System (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 key features such as user authentication, booking management, and an admin panel for managing charging stations. Integrated the Google Maps API for location-based services and real-time slot availability. Utilized React and Vite to create a responsive front-end and employed bcrypt for secure password hashing.

#### Web Development Intern

##### Bharth Intern

- Acquired hands-on experience in web development, focusing on front-end and back-end technologies.

## PROJECT EXPERIENCE

### UBSecure

OS Hardening Tool

- Created during the 24 hour Smart India Hackathon 2023. This Python application is a user friendly GUI that allows people with minimal IT Knowledge to harden Ubuntu Systems as per Organisation Policies. This Application makes use of PyQT. The hardening codes were written as Bash scripts.

### Address Book

- An application designed for saving and managing contacts. The application allows individuals to input their phone number, and retrieve stored details as needed. This application was developed using Python, utilizing Tkinter python library for constructing GUI and SQLite3 to store the data.

### ATM Simulator

- Created a project centred on an ATM system using an ObjectOriented Language JAVA. Employed object-oriented programming principles to devise and execute a user-friendly interface.

### AI Desktop Assistant

- Developed a Python-based AI assistant using Pytsx3 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.

## SKILLS & STRENGTHS

### Skills

- **Language:** Python, Java, HTML, CSS, JavaScript, React
- **Technologies:** SQL, MongoDB

**Strengths:** Problem Solving, Punctuality, Team Work

## CERTIFICATIONS

JAVA

DATA STRUCTURES

PYTHON

## ACHIEVEMENTS

Techscapades - Technical treasure hunt