

Lekkala Abhinay Reddy

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SKILLS

- **Languages:** Python, C++ , C, Java
- **Frameworks:** HTML and CSS, PyTorch, Scikit-learn, Speech Recognition, TensorFlow
- **Tools/Platforms:** MySQL, Pandas, Packet Analyzers, Nmap, SQLite, NumPy, Matplotlib
- **Soft Skills:** Problem-Solving Skills, Team Player, Project Management

INTERNSHIP

- **Academor - Ed-tech company** Since Nov 2024
 - **AI Intern**
 - Developing an AI-powered voice assistant capable of performing tasks like answering queries, fetching information, and executing voice commands.
 - Implementing Natural Language Processing (NLP) and Speech Recognition to enhance user interaction.
 - Utilizing Python, TensorFlow, NLTK, SpaCy, Speech Recognition, OpenAI API, Flask, and PostgreSQL to build and deploy the application.

PROJECTS

- **Smart Chatbot for Customer Support** Since Feb 2025
 - Developing an AI-powered chatbot for automating customer support interactions.
 - Implementing Natural Language Processing (NLP) using NLTK/SpaCy for intent recognition.
 - Building the chatbot using Flask for web deployment and integrating it with a WhatsApp API.

Tech: Python, NLP, WhatsApp API Integration, Chatbot Development & Automation, Machine Learning (Scikit-Learn, TensorFlow)
- **Ai-Powered Personal Assistant** Jan 2025 - Feb 2025
 - Built a voice-activated personal assistant using speech recognition and NLP
 - Integrated features for weather reports, Wikipedia summaries, and voice-based email services.
 - Developed the system using Python, Google Text-to-Speech (gTTS), and Speech Recognition API

Tech: Python, Tkinter, NLP, Speech Recognition API, Google Text-to-Speech (gTTS), Flask (Web Development)
- **Bill Splitter - Python-Based Expense Sharing Tool** Dec 2024
 - Developed a Python-based bill-splitting application to fairly distribute expenses among users.
 - Implemented features like individual share calculation, expense tracking, and summary reports.
 - Integrated a simple UI using Tkinter and stored transaction data using SQLite for persistent tracking.

Tech: Python, Tkinter, SQLite, Pandas
- **RHCSA Training Projects** Jul 2024
 - Worked on Linux system administration tasks like user management, permissions, and scripting.
 - Configured and secured Red Hat systems by following standard security practices and system hardening techniques.
 - Automated routine administrative tasks using shell scripting and scheduled them with cron for improved system efficiency.

Tech: User & Permission Management, Red Hat Security & Configuration
- **Sports Rules & History Web Page** Nov 2022
 - Designed and developed an interactive web page showcasing the rules and historical background of various sports.
 - Structured content using HTML and applied CSS styling to improve visual appeal and readability.
 - Implemented a responsive layout to ensure compatibility and smooth performance across multiple devices.

Tech: HTML, CSS

CERTIFICATIONS

- Introduction to Machine Learning- “NPTEL” Since Jan 2025
- DeepLearning.AI TensorFlow Developer Certificate- “Coursera” Since Jan 2025
- Cybersecurity Attack and Defense Fundamentals- “Coursera” Oct 2024
- Red Hat Certified (RH124, RH134) – “redhat.com” Jul 2024
- Generative AI with Large Language Models Certificate- “Coursera” May 2024
- Programming in C++: A Hands-on Introduction- “Coursera” Feb 2024

CO-CURRICULAR ACTIVITIES

- Participated in Hackathons focused on AI innovations | LPU
 - Organized an Inter-School Sankranti Event | CBIT and VBIT college (Proddatur)
- Feb 2025

Jan 2025

ACHIEVEMENT

- Cricket Tournament Runner-Up & Team Captain:**
led to 2nd place in a competitive tournament with 14 teams, demonstrating leadership, teamwork, and strategic decision-making.
- Jan 2019

EDUCATION

- Lovely Professional University**

 - Bachelor of Technology - Computer Science and Engineering

Punjab, India

Since Aug 2022
- Narayana Junior College**

 - Intermediate

Vijayawada, Andhra Pradesh

Jun 2020 - May 2022