

# Ravi Shankar Posina

Leveraging 2.5 years in backend development, machine learning, data science, and AI (OpenAI, LangChain) to drive innovation and deliver impactful solutions.

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## EXPERIENCE

### Think AI Labs — Fullstack Developer

Jan 2024 - PRESENT

Designed and implemented machine learning algorithms, AI chatbots, and a Label Designer website within a 4-month period, enhancing user interaction and streamlining data workflows. Utilized cutting-edge technologies and agile methodologies to deliver robust and scalable solutions.

### Wizklub — Software Engineer

Sept 2022 - Jan 2024

Designed and deployed AI-driven chatbots using LangChain and OpenAI to enhance children's education with personalized, interactive learning sessions, improving engagement and outcomes.

### Cyber security Associate

Sept 2021 - Aug 2022

Worked with a GAP cybersecurity engineer to set up firewalls, VPN servers, and clients. Conducted training sessions to educate employees on essential cybersecurity practices, equipping them to protect against modern threats.

## EDUCATION

### Aditya Engineering College — B.Tech

Studied Computer Science and Engineering while leading our college's webapps club and developer students club sponsored by google developers.

## LANGUAGES

Proficient in English, Hindi and Telugu. Can understand and speak in Japanese

## SKILLS

**Frontend:** HTML, CSS, JS, React, Next Js and various CSS and JS modules.

**Backend:** Python, PHP, NodeJS, ExpressJS, SQL, MongoDB

**Programming Languages:** C, C++, Java, Python

**SDK:** Android, Flutter, JDK.

**Others:** Langchain, SIEM, EDR, Firewall configuration, Network architecture design, Docker, AWS, Azure

## PERSONAL SKILLS

Adaptability

Sustainability

Enthusiasm

Teamwork

Reasoning

## PROJECTS

### **PDF Chatbot — Python | Langchain**

Developed a sophisticated PDF chatbot using Python and LangChain. This AI-driven chatbot parses and understands PDF documents, enabling users to interactively query and retrieve information. Utilizing natural language processing and machine learning, it delivers accurate, context-aware responses, enhancing document management and information retrieval.

### **Curd Prophet — Python**

Developed a sales forecasting tool called Curd Prophet using Python. The model considers various factors, such as holidays, marriages, long weekends, and weather conditions, to accurately predict curd sales. This tool helps businesses optimize inventory and plan marketing strategies by anticipating demand fluctuations.

### **Sage Voice — Javascript | Langchain**

Sage Voice is an AI-driven voice call chatbot built with React.js and LangChain. This innovative solution leverages natural language processing to facilitate conversational interactions during voice calls.

### **API Genesis — Javascript | Python | Langchain**

API Genesis is an advanced chatbot created with Python and LangChain. This intelligent assistant specializes in answering API-related questions, serving as a valuable resource for developers and users.

### **Label Designer — Javascript**

Built a web-based Label Designer using the MERN stack. The React.js front-end offers an intuitive interface for creating and customizing labels. MongoDB stores templates and data, with Express.js managing API requests and user authentication. This tool simplifies label creation, providing a robust solution for users.

### **Wizbuddy — Python | Langchain**

Wizbuddy is an educational chatbot built with Python and LangChain. This innovative tool aids children by sourcing answers from their textbooks to respond to their questions effectively.

### **VPN Server — Fortinet**

Effectively deployed a Fortinet VPN server, configuring and optimizing the solution to ensure secure and reliable remote access for users. Implemented robust security measures to protect data transmission and prevent unauthorized access.

### **Home Security — IoT project with Python | Raspberry pi | Arduino**

An automated door control system which will capture an image of person trying to enter and alert the owner. The owner can let the visitor in, or he will take necessary actions.

### **Smart mirror — *IoT project with Python | Raspberry pi***

Voice based home automation system based on the Magic Mirror and Snowboy APIs.

### **Risk— *Unity 3D***

An endless runner Virtual Reality Game made using Unity3D.

### **Taazashop — *HTML | CSS | JS | PHP***

An ecommerce website that is tailored to grocery shopping in a local scale.

### **Smart Village Revolution — *HTML | CSS | JS | PHP***

A website that is used to survey a village so that the statistics can further help the engineering students decide on what projects they can create to make the village better.

### **Restaurant ordering system — *Javascript***

An automated process for customers to order food while having minimal contact with the waiter in the COVID scenario built using MERN stack