

Sunkaraboina Praveen Kumar

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EDUCATION

Jawaharlal Nehru Technological University

Bachelor of Technology in Computer Science

Kukatpally, Hyderabad

2022–2026

Pragathi Junior College

Intermediate

Nalgonda

2020–2022

PROJECTS

AI Image Generator | *Vite, react-router-dom, firebase, tailwindcss, hugging face stability/ai model* [Live][GitHub]

- Developed a Image Generator website user friendly and fully responsive with React(Vite) as the frontend.
- As an extension I also made AI Video Generator using remotion library.
- Storage using Firebase.
- User can login via Clerk, generate images, post images and view all user generated images in home page.

Course Generator App | *hyperui.dev, shadcn ui, next.js, clerk auth, Gemini API, PostgreSQL* [Live][GitHub]

- Developed an AI Course Generator Web App that takes user preferences and choices and a prompt is generated and API responds in JSON format which is beautifully depicted via web application.
- npm package react-youtube id used to display content generated via videoId.

YT Video Transcript Bot | *Next.js, generativeai, drizzle-orm, llama, openai-wishper, youtube-transcript* [Live][GitHub]

- A full-stack web application using with Next.js
- Authentication Clerk.
- User Can Provide a link of Youtube Video to extract transcript, embed it and store in vector database(convex).
- Users can seamlessly chat about that video and can store and delete history.

Health Assistant Chatbot and Prediction Tool | *Flask, Transformers, scikit-learn, pandas, pickle, torch* [Live][GitHub]

- Full-stack Flask app with symptom-based disease prediction and a chatbot.
- Uses an SVC model for disease prediction, providing details like descriptions, precautions, and treatments.
- Fine-tuned DistilGPT2 chatbot offers preliminary insights into disease, symptoms, and treatments.
- Handles user input via web forms, returns bot responses, and displays data via Flask API and HTML.

Portfolio | *For more Projects visit my Portfolio* [Live][GitHub]

- Designed my own React Portfolio to showcase my Skills and Projects

Machine Learning | *For Machine Learning, Deep Learning, NLP Projects visit* [Live][GitHub]

- Deployed Machine Learning Projects.

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript, HTML/CSS

Frameworks: React.js, Node.js, Flask, Next.js, Tailwind, Bootstrap

Developer Tools: Git, VS Code, PyCharm, Vercel, Microsoft Office Tools, Google Colab, Render

Cloud/Databases: MYSQL, MongoDB, Neon(PostgreSQL), Firebase, Vector Databases(Pine Cone, ChromaDB, Convex, FAISS)

AIML: Machine Learning and its Algorithms, Natural Language Processing, Retrieval Augmented Generation(RAG), LLMs, Agentic AI(using Langgraph primarily).

Achievements

Solved 1000+ Problems on LeetCode and 400+ Problems on Geeks For Geeks.

NPTEL Certification in PYTHON DATA STRUCTURES AND ALGORITHMS 78 Percentage

NPTEL Certification in DESIGN AND ANALYSIS OF ALGORITHMS 80 Percentage

150+ Repositories on GitHub

Open Source Contribution in Hacktoberfest 2024

Machine Learning and Deep Learning Projects in Google Colab [Github]

Achievement Problem Solving(DSA in JAVA)

| [leetcode](https://leetcode.com) | [GFG](https://gfg.com) | [codechef](https://codechef.com)