Sunkaraboina Praveen Kumar

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# Education

**Jawaharlal Nehru Technological University** Kukatpally,Hyderabad

*Bachelor of Technology in Computer Science* *2022–2026*

**Pragathi Junior College** Nalgonda

*Intermediate* *2020–2022*

# Projects

**AI Image Generator** *| Vite, react-router-dom, firebase, tailwindcss,hugging face stability/ai model* [[Liv](https://image-ai-front-end.vercel.app/)[e][GitHub]](https://github.com/SunkaraboinaPraveenKumar/Ai_Image_gen)

* Developed a Image Generator website user friendly and fully responsive with React(Vite) as the frontend.
* 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* [[Liv](https://ai-course-gen-prav.vercel.app/)[e][GitHub]](https://github.com/SunkaraboinaPraveenKumar/AI_Course_Gen)

* 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* [[Liv](https://youtube-video-transcript-bot.vercel.app/)[e][GitHub]](https://github.com/SunkaraboinaPraveenKumar/Youtube_Video_Transcript_Bot)

* 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*[[Liv](https://ai-health-recommedation.onrender.com/)[e][GitHub]](https://github.com/SunkaraboinaPraveenKumar/Ai_Health_Recommedation)

* 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* [[Liv](https://praveen-portfolio-sigma.vercel.app/)[e][GitHub]](https://github.com/SunkaraboinaPraveenKumar/Praveen_Portfolio)

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

**Machine Learning** *| ForMachine Learning, Deep Learning, NLP Projects visit* [[Liv](https://ml-projects-six.vercel.app/)[e][GitHub]](https://github.com/SunkaraboinaPraveenKumar/Machine_Learning_Projects)

* Deployed Machine Learnig 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)

**AIML**: Machine Learning and its Algorithms, Deep Learning, Natural Language Processing, Retrieval Augmented Generation(RAG), LLMs

**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]](https://github.com/SunkaraboinaPraveenKumar/Machine_Learning_Projects)

**Achievement Problem Solving(DSA in JAVA)**

*|* [leetcode](https://leetcode.com/u/Sunkaraboina_Praveen_Kumar/) *|* [GFG](https://geeksforgeeks.org//user/sunkara1i49/)*|* [codechef](https://www.codechef.com/users/sunkaraboinap)