GOKUL KIRAN

Chennai, India | umgokulkiran@gmail.com | 9080552991 | | **LinkedIn:** https://linkedin.com/in/gokul-kiran21 |
Portfolio: https://gokulkiranportfolio.vercel.app/ | **GitHub:** https://github.com/Gokulkiran418 |

SUMMARY:

Self-taught Full Stack Developer with hands-on experience in developing web apps using React, Next.js, Node.js, and AWS. Focused on building scalable, user-friendly software and integrating AI into Web Apps.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript
AI Tools: Cursor, Windsurf, ChatGPT, OpenAI API | **Cloud:** Vercel, AWS (Lambda, S3, EC2, IAM, CloudWatch)
Databases: MySQL, PostgreSQL | **Version Control:** Git, GitHub
Frontend: HTML, React.js, Vite, Next.js, Tailwind CSS, GSAP | **Backend**: Node.js, Express.js, Flask, Django, REST APIs
AI/ML: DialogFlow, TensorFlow.js, scikit-learn | **Data Tools:** Pandas, NumPy, Matplotlib

PROJECTS

RAG (Retrieval-Augmented Generation) Knowledge Base

- Website Link: https://ragdocument.vercel.app/
- Built with Next.js, TypeScript & GSAP for smooth animations.
- Ingests PDFs/text to generate embeddings. Stored in Pinecone, metadata in Neon PostgreSQL via Drizzle ORM.
- Searches the vector database (Pinecone) with user queries and combines matched results with GPT-4o to generate context-aware answers.

Caption Generator using OpenAI Whisper

- GitHub : https://github.com/Gokulkiran418/caption-generator.git
- Developed a serverless application that auto-generates video captions using OpenAI Whisper API.
- Utilized AWS S3 and Lambda for event-driven audio processing and storage, enhancing efficiency and reliability.
- Designed a clean, responsive Next.js frontend to allow users to upload and view transcriptions.

E-Commerce Platform with React

- Website Link: https://eshopplatform.vercel.app/
- Developed a full-stack e-commerce web app with React, Neon PostgreSQL utilizing HTML, CSS, and JavaScript for a responsive UI, and integrated dynamic routing and async operations.
- Built and deployed the backend using Node.js and Express, hosted on Vercel.

Heart Disease Risk Prediction Web App

- GitHub: https://github.com/Gokulkiran418/Heart-Disease-Predictor.git
- Developed a Django web application to predict heart disease risk, applied a RandomForestClassifier on the UCI Heart Disease dataset.
- Designed a user-friendly UI/UX using Bootstrap 5, enhancing user experience.
- Processed 13 health metrics for risk prediction, ensuring comprehensive data analysis and reliable results.

CERTIFICATIONS

UDEMY:

- Complete Full-Stack Web Development Bootcamp by Angela Yu
- Vibe-Coding - AI-Driven Software Development and Testing
- AWS - Deploy Web Apps on the Cloud

EDUCATION

Bachelor of Engineering in Computer Science - CGPA 8.3
Misrimal Navajee Munoth Jain Engineering College