A K GOKUL

CONTACT

+91 7510246684

akgokul01@gmail.com

https://www.linkedin.com/in/a-k-gokul-7b107723a

Nanma,Mundayad,Kannur,Kerala

https://github.com/Akgokul34

EDUCATION

Bachelore of Technology (B-TECH)

St Thomas College Of Engineer and Technology ,Kannur (2020-2024)

CGPA 7.16

TECHNICAL SKILLS

Programming Languages:
Python (Data analysis, machine learning, scripting), C/C++, Java.

Database Management:
SQL, PostgreSQL (Data extraction, querying, and managing relational databases)

Data Visualization & Web Development:
Power BI, Matplotlib, Seaborn (Data visualization), HTML & CSS, JavaScript

Tools & Frameworks:
Jupyter Notebook, Django, Pandas, NumPy, Scikit-learn, TensorFlow, Pytorch

AI Agents & Integration Tools
LangChain (Building AI agents and LLM-powered applications)
Streamlit (Interactive AI dashboards)
FastAPI (Building AI-backed APIs)
Groq (AI model acceleration and hardware optimization)

KEY SKILLS

- Problem-Solving
- Time Management
- Adaptability
- Creativity
- Team Collaboration
- Critical Thinking

PROFILE SUMMARY

Computer Science graduate with a strong foundation in programming, algorithms, and problem-solving, now looking to apply data science techniques to extract insights from data and contribute to impactful decision making. Experienced with data analysis, machine learning, and statistical modeling, and eager to collaborate in a team-oriented environment to develop innovative, data-driven solutions.

WORK EXPERIENCE

Zoople Technologies Intern June 2024 -January 2025

- Completed a 6-month program in Data Science, focusing on machine learning, deep learning, NLP, and AI agents.
- Built and deployed predictive models using Python, TensorFlow, and Scikit-learn.
- Developed skills in data analysis, visualization, and SQL for managing and interpreting large datasets.

CERTIFICATES

- C Test, Spoken Tutorial (IIT Bombay). August 2021
- The Fundamentals of Digital Marketing, Google Garage. December 2021
- Advance Networking & Security, JobsAcademy. January 2022
- Deep Learning Workshop. February 2023
- Static Website Development (HTML, CSS, Bootstrap), Nxtwave . June 2023
- Python for Data Science, NPTEL. June 2024
- AWS Workshop, Nxtwave. June 2024
- Programming Foundation with Python, Nxtwave. June 2024
- Kaggle Certifications: Introduction to Programming, Python, and Machine Learning. November 2024

PROJECTS

- **AudioShield (Django, Flutter):** Cross-platform app to detect AI-generated fake audio clips.
- **AI ML Chatbot (LangChain, Groq API):** An intelligent chatbot performing data analysis and machine learning operations. Utilizes two specialized API models: one for data analysis and cleaning, and another for selecting and training machine learning algorithms.
- **AI-Enabled Weapon Detection (Python, YOLOv5):** Real-time weapon detection using webcam feeds.
- **AI-Enabled Bacteria Detection (Python, YOLOv5):** Detection of bacteria in microscopic images using AI.
- **Microprojects:–**
  - **Quiz App (Android):**
  - **Shopping App (Android)**
  - **Garbage Classification Using CNN**
  - **Twitter Sentiment Analysis Using NLP and Random Forest**
  - **Humor Detection Using NLP and Random Forest**
  - **Fraud Detection Using Random Forest, Decision Tree, and Logistic Regression**
  - **House Price Prediction Using Linear Regression**
  - **CNN-Based Cat and Dog Classification**
  - **Mobile Price Prediction Using Linear Regression**
  - **Car Price Prediction Using Linear Regression**
  - **SMS Spam Detection Using NLP**
  - **Online Food Booking System (FastAPI, PostgreSQL)**

RESEARCH & PUBLICATIONS

AudioShield: An AI-Enabled Fake Audio Detection [IJNRD, 2024]

This research presents an approach to detecting fake audio using a hybrid Convolutional Neural Network (CNN) and Recurrent Neural Network (RNN) model. The CNN component extracts spatial and temporal features from audio spectrogram representations, while the RNN (with LSTM) captures sequential dependencies. The hybrid architecture improves accuracy in the identification of synthetic or manipulated audio. The model was evaluated on benchmark datasets, achieving [specific metric, e.g. 92% precision], demonstrating its robustness in distinguishing real and fake audio for applications in media verification and cybersecurity.