

ADARSH RAVINDRAN

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PROFESSIONAL SUMMARY

Computer Science graduate skilled in data analytics, machine learning, and AI. Experienced with real-world projects and tools like Python, TensorFlow, SQL, and Power BI. Passionate about solving practical problems with data-driven solutions.

SKILLS

- **Programming Languages** : Python, C, C++, HTML, CSS.
- **Machine Learning and Deep Learning**: Predictive Modeling, Scikit-learn, TensorFlow, PyTorch, Keras.
- **Generative AI** : LangChain, LLMs.
- **Data Analysis Tools** : Excel, SQL, Pandas, NumPy, Matplotlib, Jupyter Notebook.
- **Data Visualization Tools** : Tableau, Power BI, Matplotlib.
- **Databases** : MySQL.

EXPERIENCE

Data Science Intern , CodSoft

Aug 2024 - Sept 2024

- Conducted data analysis and preprocessing to support machine learning algorithms, improving model accuracy.
- Gained hands-on experience with tools such as TensorFlow, Keras.

EDUCATION

Bachelor of Technology (Computer Science)

Christ College of Engineering, Irinjalakuda

May 2021 - May 2025

CGPA 8.56/10

Class 12th - State Board - Kerala

National Higher Secondary School, Irinjalakuda

May 2019 - May 2021

Percentage - 99%

PROJECTS

AgriGuard: AI-Powered Crop Disease Detection

- Developed a crop disease detection system under the Young Innovators Program (YIP) by the K-DISC.
- AgriGuard uses CNNs to detect crop diseases and give farmers real-time insights.

ChurnPro: AI-Driven Customer Retention

- Developed a predictive model using machine learning algorithms to identify potential customer churn for a bank.
- Analyzed customer data to determine key factors contributing to churn and implemented feature engineering techniques.

SpamShield: AI-Powered Email Spam Detection

- Enhance email security with SpamShield, which uses BERT to identify spam with high accuracy.
- SpamShield leverages advanced NLP to separate legitimate messages from spam, keeping your inbox clean and secure.

Translinguo: Multilingual end-to-end Speech Translation

- Integrates ASR, LLM's to enable seamless multilingual speech-to-speech translation.
- Utilizes Hugging Face models for accurate transcription, translation, and speech synthesis.

AI-Powered PDF Query System with Google Generative AI and FAISS

- Developed an AI-powered app for querying PDFs using Google Generative AI and FAISS.
- Automated text extraction, chunking, and similarity search to deliver context-aware answers from uploaded documents.

ACHIEVEMENTS

- **Hackathon Participants** at St. Thomas Institute for Science & Technology, Trivandrum (February -2023): Led a team to develop an innovative **AttendAI: Automated College Attendance System**.
- **Center Forward, School-Level National Football Team**: Represented National Secondary Higher Secondary School and Sangameswara N.S.S School.(2015-2019).

CERTIFICATIONS

- **What is Data Science?** (May 2025) – Completed **IBM's** course on Data Science via Coursera.
- **Google AI Essentials** (Feb 2025) – Completed **Google's** foundational AI course through Coursera.
- **Certified in SQL and Relational Databases by IBM** – Proficient in managing and querying SQL databases.
- **Certified Cisco Data Analyst** – Expertise in data analysis and network analytics.