Anandha Krishnan S

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PROFILE

Data Scientist | AI/ML Engineer | Generative AI Engineer | Full Stack Developer
Master's in Computer Science, Google-certified in Data Analytics, with expertise in Python, SQL, Machine Learning, Web Development, and Cloud Platforms. Proven record of delivering AI-driven and full-stack solutions with measurable business impact.

SKILLS

Programming & Analytics: Python, SQL, R, Statistics, Machine Learning, NLP, ETL Pipelines
Web Development: HTML5, CSS3, JavaScript, React.js, Node.js, Express.js, REST APIs, FastAPI, Flask
Tools & Platforms: AWS EC2, Microsoft Azure, Power BI, Tableau, Excel, Google Colab, MongoDB, MySQL
Frameworks & Libraries: Pandas, NumPy, OpenCV, MediaPipe, Selenium, Playwright, spaCy, TensorFlow, Keras, Bootstrap
Other: Data Visualization, AI Automation, Report Development, API Integration, Version Control (Git/GitHub)

EXPERIENCE

SAM Corporate Pvt Limited   *Kochi, India*
Data Implementation Engineer   Aug 2024 - Present

- Achieved **95%+ accuracy** in extracting and structuring data from handwritten documents & ESG reports using **Azure APIs**, **Gemini Vision Pro**, and **OpenAI O3,** establishing a **benchmarking standard for ESG KPI metrics**.
- Automated data mapping & validation across **10+ templates** using Python (Pandas, NumPy), improving accuracy by **40%** and integrating automated testing (**Selenium**, **Playwright**) for reliability.
- Reduced **Power BI** report delivery time by **80%** by developing Python-powered **MongoDB** connectors; collaborated with cross-functional teams to enhance delivery efficiency.

Luminar Techno lab   Kochi, India
Data Science Intern   Nov 2023 – July 2024

- Developed multiple ML/DL solutions:
  - **LSTM currency predictor** (R^2 = 0.91)
  - **CNN model** for diabetic retinopathy detection (78.5% accuracy)
  - **Fake news classifier** (98.7% accuracy using SVM & spaCy)
- Built a real-time **gesture recognition system** using OpenCV & MediaPipe with <50ms latency.
- Conducted data analytics using structured
  - SQL analysis of IMDb datasets, uncovering trends in ratings & metascores
  - Designed a Power BI dashboard analyzing **10,000+ credit card transactions**, revealing spending patterns for better business decision-making.

PROJECTS

EmpWell: Employee Wellness and Attrition Prediction Tool   Aug 2023 – Nov 2023

- Authored a thesis on employee attrition and depression, published on the University of Kerala website. Also built a live, end-to-end employee management tool integrating the Goldberg Depression Test and machine learning–based attrition prediction, enabling seamless user management, mental health assessment, and attrition forecasting with up to 81%(Logistical Regression) accuracy.

CERTIFICATIONS

Google Data Analytics Professional Certificate ↗ , **Google Business Intelligence** Professional Certificate ↗, **IBM**-**Python** 101 for Data Science ↗ , **University Of London**- Foundations of Data Science: K-Means Clustering in Python ↗

EDUCATION

University of Kerala   *Alappuzha, India*
Masters of Science in Computer Science   2021 – 2023

- Graduated with a CGPA of 8.11, ranking in the top 3% of the batch, with relevant coursework in Machine Learning, Data Analytics, and Natural Language Processing (NLP).