

Samson Sabu

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EDUCATION

CHRIST (Deemed to be University)

Master of Science AI and ML

Bangalore, Karnataka

July 2023 – Present

Yeldho Mar Baselios College (Affiliated to Mahatma Gandhi University)

Bachelor of Computer Application

Kothamangalam, Kerala

August 2020 – May 2023

PROJECTS

MAL-D(Android Malware Detection from App Permissions) | *Python, Machine Learning, Deep Learning* [Source Code](#)

- Developed a system to predict whether an Android app is malware or benign from app permissions.
- The program aims to detect Android malware by analyzing app permissions using a dataset of 3,732 lines of code.

Spam Shield | *Python, LLM, HTML, CSS, JavaScript*

[Source Code](#) | [Demo](#)

- Developed a system that classifies emails as phishing (95% accuracy) or spam (92%), provides sentiment analysis, and generates summaries using LLMs.
- Automated email classification, reducing manual review time by 70% and increasing detection efficiency by 40%.
- Built a browser extension used by over 500 testers for real-time email analysis, integrating detection, sentiment scoring, and summarization.

F-RECO(Fashion Recommendation using Multimodal Data) | *Deep Learning, Multimodal Fusion Networks* [Source Code](#)

- Created a recommendation system for fashion e-commerce platforms.
- Processed and analyzed 50,000 product descriptions and images, enhancing user engagement by 25% on test platforms.
- Done as part of a personal case study on recommendation system.

DIAG-ONE(The Breast Cancer Diagnosis app) | *Python, Streamlit, Deep Learning*

[Source Code](#)

- Implemented a machine learning-powered tool designed to assist medical professionals in diagnosing breast cancer.
- Engineered a dual-input system for the application, enabling users to either manually input measurements or connect directly with lab equipment; reduced data entry time by 25%, enhancing overall workflow efficiency.

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, SQL

Web Technologies: HTML5, CSS3, RESTful APIs, Streamlit, Chainlit

Database & Cloud: MongoDB, Firebase, AWS EC2, MySQL, Google Cloud Platform, NeoJS

Data Science: Pandas, NumPy, Matplotlib, TensorFlow, Seaborn, Keras, PyTorch, Theano, Scrapy, NLP, Computer Vision, Statistical Analysis

Soft Skills: Leadership, Project management, Time management, Continuous improvement, Analytical problem-solving

CERTIFICATES

AWS Academy Graduate - AWS Academy Cloud Foundations badge

May 2024

AWS Academy

Data Engineering Getting Started

November 2023

Infosys SpringBoard

Defending Against AI Generated Attacks,

March 2024

CodeAcademy

Python for Beginners - Start to Code with Python

August 2023

Infosys SpringBoard

ACHIEVEMENTS

Third Place in Intel OneAPI Hackathon conducted across India.

LEADERSHIP EXPERIENCE AND EXTRACURRICULAR

Event Head Revelations Inter-Department Fest

April 2024

Christ University, Bangalore

ISAC -2024

March 2024

Christ University, Bangalore

Volunteer