Kiran Baby

[Portfolio-website](#) | [GitHub](#) | [LinkedIn](#) | [Dev.to](#)
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EDUCATION

UNIVERSITY OF ST ANDREWS
MSc in Artificial Intelligence
2022-2023 | Scotland, St Andrews
Grade: Merit

FISAT
B-Tech in Computer Science, UG
2017-2021 | India, Kerala
Grade: First-Class Honours

SKILLS

PROGRAMMING LANGUAGES
•Python • Typescript • Javascript
•C# • Solidity • Java

MACHINE LEARNING
•PyTorch • TensorFlow •Numpy
• Pandas • Matplotlib •Scikit-learn

ARTIFICIAL INTELLIGENCE
•LangChain • Prompt Engineering
• OpenAI • HuggingFace

FRONTEND
•React •Vue •Vuex • Redux •Pinia
• HTML •CSS

BACKEND
•Django •Node.js •Flask • NestJS
• Express • Sequelize • Firebase

DATABASES
•MongoDB •PostgreSQL

BLOCKCHAIN
•HardHat •Ethereum Blockchain
•Ether.js •Chai •Mocha

VERSION CONTROLS
•Git •GitHub •GitHub-Actions

CONTAINERIZATION
•Docker •Kubernetes

SOFTWARES AND TOOLS
•Unity •AndroidStudio •Postman
•Jupyter Notebook

CURRENTLY LEARNING
•Microservices •AWS •Nginx •Redis

EXPERIENCE

WESTLAND TECHNOLOGIES | Software Developer
Oct 2023 – Present

- Contributed in building a product recommendation chatbot AI assistant for a client website with over 10,000 active monthly users | Backend AI Developer
    - Built a chatbot using LangChain, scraped product details from the client's website using Scrapy, and contributed to frontend tickets.
    - Tech stacks :- LangChain, OpenAI, Prompt Engineering, Flask, Pandas, Scrapy, MongoDB, YAML, Python, React
- Contributed in building a risk management web application for a client with sophisticated features | FullStack Developer
    - Tech stacks :- NestJS, PostgreSQL, Docker, Sequelize, Vue, Vuex, Pinia, TypeScript
- Learnt about MicroServices Architecture
    - Tech stacks :- Docker, Kubernetes, NATS Streaming server, Node.js, MongoDB, NextJS, TypeScript

PROJECTS

CLASSIFICATION AND ANALYSIS OF GAP PROGRAMMING LANGUAGE ON GITHUB USING AI/ML | Dissertation
May 2023 – Aug 2023 | University of St Andrews | [Github](#)

•Identified the flaws on GitHub to classify GAP repositories •Created python script to mine data from GitHub for ML model training and thereafter created an ML pipeline and integrated it to another script to fetch real GAP repository details •Analyzed the impact of GAP language on the global programming community •Experimented with machine learning and deep learning architectures using PyTorch, scikit-learn, etc • Leveraged LLMs (BERT, RoBERTA) using HuggingFace library •Integrated GitHub-Actions on GitHub to have a good workflow

ML IMPLEMENTED MAILING SERVICE | Personal Project
Jun 2023 | [Github](#)

• A mailing service web-app that sends research papers to users on a weekly basis •Created an ML model using NLP techniques for multilabel classification • Built frontend using React and Redux, and backend using Django, Celery, and SMTP server •Dockerized the project

AWARDS

Year	Prize	Description
2021	3rd Prize	Achieved the esteemed 3rd prize in the Game Begetter-game development competition held at Techfest, hosted by IIT Bombay, Asia's largest techfest, and generously sponsored by the renowned Moonfrog Labs.	(**Apk link for Android only**)
2021	National	Honored as a distinguished finalist in the prestigious 10th CSI-InApp International Student Project Awards 2021, conducted jointly by the esteemed Computer Society of India and InApp Technologies.
2021	1st Prize	Secured the coveted 1st prize in a remarkable game development competition organized by the esteemed IEEE Society of NIT Calicut.
2021	2nd Place	Achieved a remarkable second place for the prestigious Best Projects Award in the CSE department of FISAT

CERTIFICATES

2022   Udemy, Angela Yu   The complete 2022 web development bootcamp
2022   IBM, Coursera   Machine Learning with Python
2022   Hackerrank, Python   Hackerrank certificate for clearing the python test.
2021   IIT Madras, Nptel   The Joy of Computing Using Python
2021   IIT Kharagpur, Nptel   Programming in Java
2020   XPLORE ITCORP, Internship Advanced Certified Secure Computer User