Kiran Baby

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EDUCATION

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

FISAT
B-Tech in Computer Science
2017-2021 | India, Kerala, Angamaly
CGPA: 8.09/10 (First-Class)

CHAVARA DARSAN
Computer Science
2014-2016| India, Kerala
CGPA: 8.2/10 (First-Class)

COURSEWORK

GRADUATE
Artificial Intelligence Principle
Artificial Intelligence Practice
Machine Learning
Constraint Programming
Data-Intensive Systems
Object Oriented Modelling, Design and Programming
Video Games
Web Technologies

SKILLS

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

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

FRONTEND
• React • Redux • HTML • CSS

BACKEND
• Django • Node.js • Express

DATABASES
• MongoDB • Sqlite3

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

VERSION CONTROLS
• Git • GitHub • GitHub-Actions

CONTAINERIZATION
• Docker

CLOUD
• Google-Cloud platform • Firebase

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

EXPERIENCE

UNIVERSITY ULTRARUN | Developer of the website
Jan 2023 – Present | Ongoing work
- Built a website for an upcoming marathon event going to take place in 2024 between Cambridge, Oxford, and St Andrews University.
- Tech stacks:- React, Leaflet.js, Google maps, Context api

PROJECTS

CLASSIFICATION AND ANALYSIS OF GAP PROGRAMMING LANGUAGE ON GITHUB USING AI | Dissertation
May 2023 – Aug 2023 | University of St Andrews
• Identified the flaws on GitHub to classify GAP repositories • Created python scripts to mine data from GitHub for ML model training and thereafter created a model pipeline to retrieve real GAP repositories • 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 • Done an analysis on the impact of GAP language have in the programming community • Dockerized the application • **Future extensions**:- A web application using django as backend and React in the frontend and hosted on Google cloud as a docker image

ML IMPLEMENTED MAILING SERVICE | Personal Project
Jun 2023 – Present
• A mailing service web-app that sends users reseacrh papers 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

TRAVEL ADVISOR | Personal Project
2022
• A web-app to that can search for Restaurants, Hotels, and Attractive Locations using the google map. It gives you realtime data fetched from RapidAPI. The app also uses your current location and provides you with the details of the places.

BOOKURTRIP CLONE | Personal Project
2022
• A web application to book trips
• Tech Stacks:- React, Contex api, Node.js, Express, MongoDB, Mongoose

AWARDS

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.
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 st prize in a remarkable game development competition organized by the esteemed IEEE Society of NIT Calicut.
2021	2nd Place	Achieved a remarkable 2nd place for the prestigious Best Projects Award in the CSE department of FISAT (Federal Institute of Science and Technology).
2021	5 star gold	Attained the prestigious 5-star gold achievement in Python on Hackerrank.

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