

# 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

- 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

- 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

- |      |                       |  |
|------|-----------------------|--|
| 2021 | 3 <sup>rd</sup> Prize | Achieved the esteemed 3 <sup>rd</sup> 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 | 1 <sup>st</sup> Prize | Secured the coveted 1 <sup>st</sup> prize in a remarkable game development competition organized by the esteemed IEEE Society of NIT Calicut.  |
| 2021 | 2 <sup>nd</sup> 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