

Arockia Bilgates

Software Developer & Tech Trainer

Aspiring Software Developer with experience in training 200+ students, building data-driven apps, and solving real-world problems using Python, Java, and ML.

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EXPERIENCE

Data Analytics Intern NULLCLASS (Remote)

10/2024 - 11/2024

Achievements

- Developed a real-time Twitter dashboard using Power BI, tracking 10+ KPIs across live data streams.
- Built a Google Play Store data analytics tool in Python to analyze app performance and user feedback.
- **Technologies Used** : Python, Pandas, Power BI, Matplotlib.

Associate Robotic Engineer Prag Robotics - Thanjavur

02/2024 - 10/2024

Achievements

- Trained and mentored over 200 students in Python, R, AI, Robotics, and OpenCV with a 95% course completion rate.
- Facilitated 20+ student-led real-time projects by providing structure, debugging help, and hands-on mentorship.
- **Technologies Used**: Python, R, OpenCV, Machine Learning, AI.

IT Trainer Cadd Center - Thanjavur

02/2023 - 10/2023

Achievements

- Delivered hands-on training to over 100 students in C, C++, Java, Python, and full-stack web development.
- Designed practical assignments and projects that improved student coding skills by 70%.
- **Technologies Used** : C, C++, Java, Python, HTML, CSS, JavaScript.

EDUCATION

BE – Computer Science and Engineering St. Joseph's College of Engineering and Technology

06/2017 - 04/2021

Higher Secondary School E D Thomas Higher Secondary School

06/2015 - 05/2017

SKILLS

C++

Java

Python

MySQL

MongoDB

JavaScript

React.js

Node.js

HTML/CSS

Git

REST API

OpenCV

Spring Boot

Django

Docker

Machine Learning

SELECTED PROJECTS

Smart Attendance System

- Developed a face recognition system that automated attendance with 95% accuracy in real-time.
- Implemented live webcam scanning to instantly mark and log attendance to Excel.
- **Technologies Used**: Python, OpenCV, Pandas, Haar Cascade, Face Recognition.

Bus Booking Reservation System

- Designed a console-based booking system simulating real-world ticketing with user-friendly flow.
- Managed data persistence for 100+ users using MySQL integration.
- **Technologies Used**: Java, OOP, MySQL.

E-commerce Website

- Built a full-stack application with product listing, cart, and admin dashboard functionalities.
- Handled real-time updates and seamless user experience for over 50+ items.
- **Technologies Used**: MongoDB, Express.js, React.js, Node.js (MERN Stack)

Image Recognition System

- Achieved over 92% classification accuracy by applying PCA for feature reduction.
- Trained SVM model on image datasets to recognize patterns efficiently.
- **Technologies Used**: Python, Scikit-learn, SVM, PCA

ACHIEVEMENTS

Solved 300+ Coding Problems on LeetCode

Demonstrated strong problem-solving skills by consistently practicing DSA using Java and Python, improving speed and accuracy over time.

Mentored 200+ Students in Programming and Robotics

Guided students through real-time projects, helped debug code, and explained concepts in Python, Java, AI, and OpenCV, resulting in a 95% project success rate.