JOBIN JOSE

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EDUCATION

BMC COLLAGE OF ENGINEERING, APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY 2020 - 2024
Bachelor of Technology in Computer Science and Engineering

MCEMHSS KOLLAM,KERALA 2018 - 2020
Kerala(Class XII)

MCEMHSS KOLLAM,KERALA 2017 - 2018
Kerala (Class X)

TECHNICAL SKILLS

Programming Languages: C | C++ | Python | JavaScript | HTML5 | CSS | Bootstrap

Software/Tools: Django | Flask | REST API I React JS | SQL | Bitbucket | Git | GitLab

EXPERIENCE

CYBERIA SOFTWARES PVT LTD , TRIVANDRUM
Software Developer 06/2024 - Present

- Developed and maintain backend systems using Django creating scalable and high-performance web apps.I design and implement REST APIs manage database operations with PostgreSQL and focus on optimizing backend performance. Additionally write unit tests and conduct debugging to ensure the stability and reliability of backend systems.

ATMIOS TECHNOLOGIES PVT LTD, ERNAKULAM
Software Developer Intern 03/2023 - 04/2023

- I contributed to a full stack web application using Django and React with MySQL as the database. I was responsible for developing both the backend and frontend implementing features such as user authentication and data management. I worked to create a seamless user friendly experience by ensuring efficient integration and optimizing application performance.

PROJECTS

Automated Iceberg Population Detection Using SAR Imagery

- Developed an iceberg detection system using deep learning and satellite data to enhance maritime safety in polar regions. Leveraged Synthetic Aperture Radar (**SAR**) imagery from Sentinel-1 and Landsat 8 satellites, employing Convolutional Neural Networks (**CNN**s) for high-accuracy iceberg classification.Key methods included deep feature extraction, Transfer Learning, and Region of Interest (**ROI**) analysis.
- **Tech Stack**: Python, Jupyter Notebook, CNN, SAR images

Hospital Booking Management System

- Implemented a hospital doctor booking system using **Django** for the backend, **React** for the frontend, and **MySQL** for the database. The system allows patients to book and manage appointments with doctors efficiently. Key features include user authentication, doctor availability management and real-time booking updates. The platform supports two types of users: patients and hospitals.
- **Tech Stack**: Python, Django, ReactJS, MySQL.

E-Learning Management System

- Built an e-learning platform with **Django** (backend), **ReactJS** (frontend), and **PostgreSQL** (database). Students register for courses make payments and enroll in subjects. Admins assign courses to staff who create and schedule exams for students to access and complete. The project ensures a user-friendly interface robust data handling and secure role-based access for effective academic management.
- **Tech Stack**: Python, Django, ReactJS, PostgreSQL.

ACTIVITIES

- **Mentor** - Actively involved in guiding junior students, providing mentorship and support.
- **IEDC Member:** Actively contributed to innovation and entrepreneurship initiatives and events.