Bigyajeet Kumar Patra

+91-7325926716 | bigyajeetkumarpatra@gmail.com | linkedin.com| github.com

OBJECTIVE

Motivated and detail-oriented Computer Science graduate with hands-on training in building and integrating RESTful APIs through internships and projects. Eager to kick-start my career in backend development and contribute to building efficient and scalable software solutions..

EDUCATION

Gandhi Institute For Teachnology, Odisha — 2023 - Present

B.Tech - Computer Science and Engineering - ***CGPA - 8.48*** — Bhubaneswar, Odisha

Shanti Institute Of Management & Science — 2021- 2023

Intermediate - PCMIT- percentage: 81.35% — *Cuttuck,Odisha*

TECHNICAL SKILLS

Languages: Java, SQL, C, Python

Technologies/Frameworks: HTML, CSS, Javascript, Git,BootStrap, MongoDB, Express JS, React JS, Node JS, RESTAPI ,, DSA(java),ML5,p5JS,python,AIML

Developer Tools: VS Code, Eclipse, Canva, Apache Tomcat, Git & GitHub, Android Studio,Jupiter,Spyder

Technical Subjects: Oops Concepts, Collections Framework, Data Structure and Algorithms, Exception Handling, Multithreading EXPERIENCES

CTTC — java Developer — July2024 – July2024

Bhubaneswar, India

- Gained hands-on experience in Java Core concepts and backend development fundamentals
- Collaborated with design and backend teams to implement user-friendly interfaces and optimize user experience.
- Conducted thorough troubleshooting and debugging to enhance website functionality and performance.
- Assisted in the creation of wireframes and prototypes to streamline the development process and ensure project deadlines were met.

PROJECTS

link

Airbnb Replica – Full-Stack Web Application (MERN Stack)

Developed a full-stack web application replicating Airbnb's core functionalities using the MERN stack (MongoDB, Express.js, React.js, Node.js) and Bootstrap. Implemented features like listing display, detailed accommodation views, and a responsive UI. Designed RESTful APIs for seamless frontend-backend interaction and structured the application with a modular architecture. Focused on clean UI/UX with potential enhancements including user authentication, bo oking system, and host dashboards.

Key Highlights:
-Built and consumed RESTful APIs using Node.js and Express.js
-Used MongoDB for database management and React for dynamic frontend components
-Styled with Bootstrap for a responsive and modern interface
-Implemented feature modules like listings, detailed views, and host information
-Designed scalable project structure with clear separation of concerns

Real-time-posture-detection(webdev+AIML) link

The main goal of this project is to help people check their posture and can be used for healthy exercise

Key Highlights:

-implemented pre-trained AI models for tasks like body pose estimation.
-employed for drawing video, keypoints, and skeleton on the screen, likely for visualizing the body pose estimation.
-libraries like ml5js,p5js utilize pre-trained AI models, which eliminated the need for us to train our own AI models or clean data.

Face Detection System using Deep Learning link

This project implements a real-time facial recognition system, designed to verify identity against a trained model using live video input from a mobile IP webcam. The system begins by acquiring real-time data from a mobile device via IP Webcam, necessitating careful data cleaning and preprocessing for optimal model performance. For the core recognition task, a Convolutional Neural Network (CNN) was developed and trained, incorporating pooling layers to enhance accuracy, with the final model downloaded and loaded into `deploy.py` for inference. Data management is handled through `label.p` and `image.p` pickle files, generated by `consolidate.py` from an `images` folder. Seamless device integration is achieved by ensuring the IP address in the mobile's IP Webcam app matches the URL specified in the Python code, with TensorFlow being a crucial dependency for running the model. All development and testing were conducted in the Spyder IDE, Jupiter applying concepts of deep learning and machine learning in Python.

Key Highlights:
- Data Collection
-Data Preparation
-Deep Learning Model Training
-Modular Design

CERTIFICATIONS

- Intemship Certificate- Oasis Infobyte
- Java Certification: CTTC

CODING PLATFORMS

- **Solved problem in LeetCode Using Data Structure & Algorithm.** **link**
- **Solved problem in GFG using Data Structure & Algorithm.**

EXTRACURRICULAR

- Participated in a 26+ hour hackathon, demonstrating endurance, teamwork, and problem-solving under pressure. link