RACHANA G RAIKAR

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Skills

Core Java | HTML | CSS | JavaScript | React | MySQL | Python| GitHub

Experience

Ekathva Innovations | Intern   **Aug'22 - Sep'22**

- Acquired hands-on experience with popular machine learning algorithms, specializing in Regression and Classification techniques. Applied image balancing operations to enhance data quality and reliability.

- Implemented advanced Deep Learning techniques such as Convolutional Neural Networks (CNN) and Recurrent Neural Networks (RNN) to minimize loss

- Utilized tools including Google Colab, Python, PyTorch and NumPy for effective model development and analysis.

Projects

Facial Emotion Recognition using Deep Learning:
This involves training neural networks, particularly convolutional neural network (CNNs), to automatically detect and classify human emotions from facial expressions in images or videos.

- Successfully completed whole project with the accuracy of 91.12%.
- Paper published in one of the international journal (IJRASET).
- https://www.ijraset.com/best-journal/suvey-on-facial-emotion-recognition-using-deep-learning

Blog Application:
This involves developing a platform for users to create, edit, and share posts, complete with user authentication and comment functionality.

- Developed a blog application using Spring Boot(backend) and ReactJS(frontend).
- Created RESTful APIs for managing blog posts, comments, and user authentication.

Air Quality Prediction using CNN in PYTORCH:
This involves a convolutional neural network to analyze spatial patterns in air pollution data, such as satellite images or spatial sensor data, to forecast air quality levels.

- Completed impactful work using Pytorch and CNN for air quality prediction.
- Achieved an outstanding accuracy of 99.98%.

Certification Course:
This project involves developing a platform to manage and track certifications for individuals and organizations.

- Incorporated Django as a backbone for seamless backend operations.
- It is coupled with dynamic frontend interactions using HTML, CSS and JavaScript.

Education

Jawaharlal Nehru National College of Engineering (JNNCE), India   **2019 - 2023**
- CSE | CGPA: **8.82**

Sri Aurobindo PU College, India   **2017 - 2019**
- *PUC (PCMB), Aggregate:68.3%*

Navachethana High School, India   **2016 - 2017**
- *KSEEB (Class X), Aggregate:88.8 %*

Certification

- **ExcelR:** Java Full Stack Development