GAURAV SINGH

+91-797279557 | gauravsingh13020@gmail.com | linkedin.com/in/gaurav13020 | github.com/gaurav13020

EDUCATION

Savitribai Phule Pune University   Pune, MH (2019–2023)
- AISSMS College of Engineering - Bachelors of Engineering (Mechanical Engineering)
- **Related Coursework**   Python Programming, Numerical & Statistical Methods, AIML, Operation Research
- Cumulative GPA: 8.89/10

PROJECTS AND PUBLICATION

Drowsiness Detection Using Deep Learning   (Aug 2022 - May 2023)
- Led a team of four engineers to develop and optimize machine learning models using OpenCV and Scipy for drowsiness detection for driving scenarios.
- Conducted thorough model performance evaluations, identifying limitations and suggesting enhancements.
- Implemented Python scripts to automate data extraction and analysis processes, reducing manual workload by 30%.
- Designed an interactable web interface for the user to enter an emergency contact list and view model accuracy parameters.

Review on Applications of Computer Vision   (July 2021)
- Implementation of modern UI/UX using ReactJS for a modern-looking single-page website with a look and feel similar to airbnb.com.
- Developed backend with firebase for a high level of security and data protection of passwords.
- Built a simple dashboard for users to submit the competitors so others can view them.

S&P 500 Price Prediction   (June 2022)
- Gathered historical S&P 500 data using APIs and web scraping techniques, ensuring data accuracy and completeness.
- Conducted extensive data cleaning, including handling missing values, outlier detection, and feature scaling to prepare the data for modeling.
- Created an interactive web application using Streamlit to allow users to input custom parameters and obtain S&P 500 price predictions in real-time.
- Hosted the application on a cloud platform for easy access and sharing with others.

WORK EXPERIENCE

LTIMindtree
Intern   Pune, MH (Feb 2023 - Jun 2023)
- Participated in an intensive training program focused on data science and analytics, gaining hands-on experience with industry-standard tools and technologies.
- Worked with SQL databases to retrieve and manipulate data, ensuring data integrity and efficient data access.
- Demonstrated strong problem-solving skills and a commitment to continuous learning, adapting to new challenges and technologies in the rapidly evolving field of data science.

Pratyin Infotech
Intern   Pune, MH (Dec 2021 - Feb 2022)
- Developed a platform to provide easy management of employees working.
- Utilized technologies such as NodeJS & MongoDB for the development of the application.
- Managed the tools for industry-level authentication and authorization using Passport.js.

CERTIFICATIONS

Machine Learning Stanford University [Coursera]
Neural networks and DeepLearning. DeepLearning.AI [Coursera]
Data Science: Visualization Harvard University [eDX]

ABOUT ME

Technical Skills Python, PyTorch, TensorFlow, NumPy, MatPlot, Java, Unix/Linux, Excel VBA, MySQL, LaTeX
Interests   Digital Art, Cinematography, Photography, Design, Basketball, Adventure Motorcycling