

# GAURAV SINGH

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## EDUCATION

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### Pune University

Bachelors of Engineering - Mechanical Engineering (Courses - AIML, Numerical Methods)

Pune, MH

Aug. 2019 – May 2023

## PROJECTS

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### Drowsiness Detection Using Deep Learning | Python, Langchain, Hugging Face Pytorch, OpenCV

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.

### AirBnB Clone Website | ReactJS, Firebase, Typescript

May 2023

- Implementation of modern UI/UX using React.js for modern looking single page website with look and feel similar to airbnb.com.
- Developed backend with firebase with for high level of security and data protection of passwords.
- Built a simple dashboard for users to submit their properties so others can view them.

### S&P 500 Price Prediction | Python, StreamLit, Yahoo Finance, Pytorch, Numpy, Pandas

June 2022

- Gathered historical S&P 500 data using APIs and web scraping techniques, ensuring data accuracy and completeness.
- onducted 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.

## EXPERIENCE

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### Software Engineering Intern

Feb 2023 - Jun 2023

LTIMindtree

Pune, MH

- Participated in an intensive training program focused on web development using Java, 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.

### Software Enigneering Intern

Dec 2021 - Feb 2022

Pratyin Infotech

Pune, MH

- Developed a comprehensive employee management platform using Node.js and MongoDB, featuring a modern leave management system to streamline processes and reduce administrative burdens.
- Implemented Passport.js for secure authentication and authorization, ensuring controlled access and data integrity.
- Created a robust and scalable solution for modern businesses, enhancing efficiency and compliance with industry regulations.

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, SQL , NoSQL, JavaScript

**Frameworks:** React, Next, Node.js, Flask, SpringBoot, WordPress, Material-UI, Rest

**Developer Tools:** Git, Docker, Firebase, Google Cloud Platform, MongoDB

**Libraries:** Pytorch, MatPlotlibPandas, NumPy, Matplotlib, OpenCV, Scikit-Learn, Keras

**Certifications:** Google Advanced Data Analytics, Stanford Machine Learning, Harvard Data Science