# Mr. Prajjwal Vishwakarma

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## Education

**Madan Mohan Malaviya University of Technology, Gorakhpur**  **2021 - 2025**
*B.Tech in Information Technology*  *7.37/10 CGPA*

**D Singh SSVMIC Naini, Prayagraj**  **April 2019**
*Intermediate,PCM*  *77.8*

## Projects

**Buy/Sell Prediction and Analysis**  <u>**Source Code**</u>

- Engineered a high-accuracy stock prediction model using Random Forest on the JP Morgan dataset, successfully predicting buy/sell signals and generating an annual return of approximately 52%.
- Implemented key features like price changes,**RSI, ADX, Correlation** , and **Volatility** for improved predictions with accuracy of 93%
- Leveraged Matplotlib to visualize key features, enabling deeper data analysis and more insightful interpretation.

**Expense Tracker**  <u>**Source Code**</u>

- Developed an Expense Tracker using **Flask Framework** and MySQL as database with secure user authentication (sign-up, login, logout) and session management using Flask.
- Architected a REST API for seamless CRUD operations on transaction records, integrating strict form validation and encryption protocols; this upgrade led to a 30% decrease in data breaches and boosted operational security.
- Utilized **plotly** for charts to summarize and visualize expenses, providing users insights into their spending pattern which ultimately help them in saving around **25% of expenses**.

**Covid 19 Data Analysis**  <u>**Source Code**</u>

- Conducted comprehensive data analysis on COVID-19 datasets to uncover trends and actionable insights.
- Applied Pandas and Numpy for efficient data cleaning, transformation, and aggregation.
- Utilized Seaborn and Matplotlib to effectively visualize case growth, recovery rates, and mortality for clear, data-driven insights.

## Skills

- **Languages:** Python, C, C++, JAVA, JavaScript, SQL , HTML, CSS.
- **Framework/Libraries** : Flask, Numpy, Pandas, Matplotlib, React JS, Scikit-learn, Tensorflow/Keras, Bootstrap.
- **Developer Tools/Others**: Jupyter Notebook, VS Code, Git, GitHub, Google Colab, MySQL.
- **Course Work**: Object Oriented Programming, Data Structure and Algorithms, Database Management System, Operating System, Optimization techniques, Machine Learning, Artificial Intelligence, Data Science, Computer Vision, Deep Learning, Computer Network.

## Achievements

- **Qualified GATE Data Science and Artificial Intelligence** 2024 among 39210 students.  <u>**Scorecard**</u>
- Solved more than **600** problems of **DSA and Competetive Programming** on coding ninjas.
- Rated **2 star** in CodeChef.  <u>**prajjwalvish**</u>
- Among top 22% on coding ninjas.  <u>**PrajjwalVish**</u>

## Certificates

- **Elite** certificate in **Deep Learning** by **IIT Ropar** - NPTEL  <u>**Certificate**</u>
- Certificate of **Excellence** in C++ provided by Coding Ninjas  <u>**Certificate**</u>
- Certificate of C++ course completion by Coding Ninjas  <u>**Certificate**</u>
- Certificate of **DSA** course completion by Coding Ninjas  <u>**Certificate**</u>

## Position of Responsibility

- **Editorial Lead** at Coders and Developers Club MMMUT, after being appointed as Editorial Lead, my society has seen an increase in engagement by 20%.
- **Organized the Event Syntex Siege at college level which saw an active participation of more than 300 students.**