Sushant

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EDUCATION

National Institute of Technology, Kurukshetra Kurukshetra, Haryana
BTech Electrical Engineering CGPA:7.9341/10 *Dec 2021 - July 2025*

M S Memorial Public School Motihari, Bihar
Class 12th(CBSE) 92.80% *2019 -2020*

EXPERIENCE

Engineering Innovations Intern Jan 2024 – June 2024
Ernst and Young *Mumbai, India*

- Developed a machine learning solution integrating **Gemini** for resume parsing and implemented algorithms to match resumes with job descriptions, achieving accurate match results using **Generative AI**, significantly reducing human intervention.
- Automated the transformation of resumes into customized formats, facilitating seamless third-party integration to cut manual work and time consumption.
- Translated design specifications from **Figma** into functional front-end code using **Flutter**, enhancing user interfaces for **Bandhan Bank**, **Canara Bank**, and a **Kuwait-based project**.
- Optimized code for better responsiveness and developed demo apps to streamline workflows for **LIC**.

Student Advisory Consultant Jan 2023 – Dec 2023
Physics Wallah *Remote, India*

- Successfully guided over **300+ students** through **personalized mentoring sessions**, leveraging effective strategies to enhance their academic performance.
- Achieved **growth** in the mentorship vertical and increased sales by through innovative initiatives.

PROJECTS

Electrical Load Forecasting | *Python and its libraries, Machine learning and Deep Learning algorithms*

- Developed and evaluated advanced ML, DL, and hybrid models (Random Forest, XGBoost, LSTM, GRU, CNN-LSTM, ARIMA) for short- and long-term electricity load forecasting using a real-world multi-variable time series dataset.
- Implemented complete data pipeline including feature engineering (lag stats, temporal and weather-based variables), normalization, model tuning via GridSearchCV, and error visualization to guide decision-making in smart grid energy management.
- Achieved highest forecasting accuracy with Random Forest (MAE: 10.61, RMSE: 13.93), outperforming deep learning and hybrid ensemble approaches; assessed models using RMSE, MAE, and MAPE across 14 test periods.

Cricklytics: Cricket Analytics Dashboard | *Python and its libraries, Exploratory Data Analysis (EDA)*

- **Developed an interactive Cricket Analytics Dashboard** using **Python**, **Streamlit**, and **Pandas**, enabling real-time visualization of player and team performance metrics, including batting averages, strike rates, and bowling economies.
- **Implemented advanced data processing pipelines** to analyze match statistics and generate insights on player form, team strategies, and key game trends using **Matplotlib** and **Seaborn** for visualizations.
- **Designed a user-friendly interface** allowing users to filter data by matches, players, and teams, providing actionable insights for performance improvement and decision-making.

Real Estate Price Prediction | *Python and its libraries, Machine Learning algorithms*

- Developed a machine learning model to predict real estate prices in a specific city, delivering highly reliable price estimates.
- Conducted data preprocessing, feature engineering, and data cleaning; enhanced model performance through advanced techniques. Implemented a data dashboard for visualization.

SKILLS

Languages and Libraries: C++, Python, Dart, Data Structure and Algorithms, Exploratory data analysis (EDA), NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn
Databases: MySQL
Functional areas: Statistics, Data Cleansing, Data Modeling, Data Analytics.
Developer Tools: Git, VS Code, Jupyter Notebook
Coursework: Database Management Systems (DBMS), Machine Learning(Intermediate), Deep Learning (Intermediate), Natural Language Processing (Intermediate), Generative AI(Intermediate)

POSITION OF RESPONSIBILITY AND ACHIEVEMENTS

- **Secretary** of **Thought Lab**, a club dedicated to promoting mental well-being and inner peace among college students.
- Solved over **400+** problems on multiple coding platforms.
- Event coordinator of **Director's Trophy Event** Orchestrated the successful planning and execution of the event, an intra-school competition hosted by the Electrical Engineering Society (EReck) at NIT Kurukshetra with leading a **management team**.