

Vivek Jain

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Education


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| Bachelor's of Technology in Computer Science – Delhi Technological University (Formerly DCE) | GPA: 8.21 2025 |
| Class XII – Little Flowers Public Sr. Sec. School | Percentage: 93.4% 2020 |
| Class XII – Little Flowers International School | Percentage: 91.6% 2018 |

Skills

- **Frameworks** – Flask, JavaScript & TailwindCSS.
- **Languages** – C, C++ & Python.
- **Tools** – VS Code, GIT, Jupyter Notebook, Google Colab, & PyCharm.
- **Machine Learning Techniques** – Supervised Learning, Unsupervised Learning & Natural Language Processing (NLP).
- **Data Preprocessing** – Feature Engineering, Data Cleaning, Normalization.
- **Soft Skills** – Teamwork, Communication, Leadership, Problem-solving & Task Management.

Projects

Forest Cover Classification

 [Link to Source Code](#) | Aug 2023 - Present

Developed and implemented an end-to-end forest cover type prediction system, integrating **data validation**, robust database management, and deploying a cutting-edge machine learning model. Applied **Synthetic Minority Over-sampling Technique (SMOTE)** to generate synthetic instances, significantly improving predictive accuracy for a more balanced dataset, resulting in a 93% increase in overall accuracy.

- **Language:** Python
- **Frameworks:** Scikit-learn, XGBoost, KNeighborsClassifier, & Flask
- **Database:** SQL
- **Frontend:** HTML, CSS

Achievements

- Demonstrated proficiency in **Python, scikit-learn, and XGBoost** for effective machine learning solutions.

ToDo Web App

 [Link to Source Code](#) | Jul 2022 - Aug 2023

Developed and deployed a **Flask**-based ToDo web application utilizing SQLite for data storage and **HTML/CSS** for frontend design; facilitated efficient task management, and categorization for enhanced organization and productivity.

- **Language:** Python
- **Frameworks:** Flask
- **Database:** SQLite
- **Frontend:** HTML, CSS

Achievements

- Integrated responsive design principles for a seamless user experience across devices.
- Deployed the ToDo app on **Heroku**, with average memory of 61.8 MB and response time 319 ms providing accessibility to users globally.

Achievements

- Got **AIR-7408** in JEE-MAIN 2021.
- Got **Global Rank 156** in CodeChef Starters 91.
- [Codeforces](#): Max Rating 1182.
- [CodeChef](#): Max Rating 1596.

Interests

Personal Finance | Podcasts | Reading financial and latest technologies blogs | Blogging.