

PARTH MATHUR

Mobile: +91 7827166798 | E-mail: parthmathur302003@gmail.com | parth.mathur2021@vitstudent.ac.in
GitHub: github.com/PM3018 | LinkedIn: [linkedin.com/in/parth-mathur-5bb5771b7](https://www.linkedin.com/in/parth-mathur-5bb5771b7)

EDUCATION AND ACADEMIC ACHIEVEMENTS

Degree/Exam	Year	Institute	CGPA or %
B.Tech. Computer Science and Engineering	2021- Present	Vellore Institute of Technology, Vellore	8.23
CBSE (Class XII)	2021	Delhi Public School Rohini, Delhi	93.2
CBSE (Class X)	2019	Delhi Public School Rohini, Delhi	95.6

- Cleared Level-1 of the International Science Olympiad (ISO)
- Cleared for JEE Advanced exam after securing 91.5 percentile in JEE Mains 2021 given by 12,00,000 applicants
- **Silver medalist** for being a five-year scholar, showcasing academic excellence through classes VI-XII
- Successfully completed **FIT A2** level certification in German language by Goethe Institute.

WORK EXPERIENCE AND PROJECTS

Design and Database Engineer Eisenvault | Sep 2023 - Dec 2023 Trainee Intern / Project Guide: Vipul Swarup

- Worked on a project for designing an Electronic Health Records Application.
- Used industry standard tools such as Figma for wireframing and Mysql for Database designing. Performed field testing by visiting many hospitals to gather information about the popular EHR softwares being used to have a model to compare.

AI Enabled Car Parking using OpenCV [\[code\]](#) SmartInternz | Sep 2023 – Nov 2023

- Led a team of four to develop a robust and accurate car parking space detection system leveraging advanced deep learning techniques, including transfer learning with a pre-trained VGG16 model.
- Applied a tech stack encompassing Python, Keras, TensorFlow, and Flask for end-to-end development of the model. Successfully integrated computer vision libraries like OpenCV, employed NumPy for efficient data manipulation and adapted a Flask web application for seamless real-time predictions.

Predictive Analysis for Forest Fires | March 2023 - May 2023 Individual Project / Project Guide: Nalini S

- Conducted comprehensive data analysis on the data provided, including data preprocessing, utilizing statistical tests, visualization techniques and machine learning models to predict Forest Fires.
- Rigorous evaluation was conducted to identify top-performing models (Random Forest and Neural Networks) based on accuracy, robustness, and resilience to overfitting and class imbalances. Confidence Value is calculated using various data sets which includes values such as the humidity, temperature, longitude, brightness etc. which is then used to predict the probability of a Forest Fire.

CERTIFICATIONS

Google Data Analytics Professional Certificate

Coursera | July 2024 - Ongoing

- Finished the first out of 8 individual courses as part of the Data Analytics Certification named Foundations: Data, Data, Everywhere.
- Learning about the six important phases of data analytics by working on popular tools such as Sheets, SQL, Tableau etc.
- Certification ends with a Capstone Project by performing all data analytics skills on Real-World Data.

Business Intelligence using Power BI

Skill Nation | July 2023

- Learnt about creating Dashboards using the extensive features of Microsoft Power BI
- Worked on the visualizations and types of dashboards that can be created to make an effective data visualization.

SKILLS

- **Tools:** MS Office Suite: Word, Excel, PowerPoint, BI Tools: Tableau, Microsoft Power BI
- **Coding Languages:** Python, SQL, C/C++, Java Basics, MongoDB, R
- **Technical Knowledge:** Data Science, Data Analytics, Machine Learning, Probability and Statistics, Object-Oriented Programming, Data Structures and Algorithms, Database Systems, Operating Systems, Computer Networks.

EXTRA-CURRICULARS

Football (Men's), VIT Fresher's Tournament, 2022

- **Captained** a 5-person football team to the semi-finals (out of 100+ teams)

Other interests and hobbies: Sports (Football, F1, Tennis), Share Markets/Simulated Trading,

Stock Analysis, Financial Investments & Food Tasting

Languages: Hindi (Native), English (Fluent), German (Certified A2 level – Basic)