ABHISHEK MAURYA

M.Sc. Computer Science
Gender: Male
Date of Birth: 27/06/2000
E-mail: tp@nitt.edu
Contact: +91-431-2501081

Educational Qualification

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2025	M.Sc. Computer Science	NIT Trichy	-
2023	B.Sc. Mathematics	University of Delhi	8.05
2018	Class XII	Rajkiya Pratibha Vikas Vidyalaya, CBSE	93.50%
2016	Class X	Govt. Co-Ed Senior Secondary School, CBSE	10

Academic Achievements

- Received a Silver Medal from the education minister for outstanding academic performance in X^{th} grade.

Work Experience

- **Machine Learning Content Writer at GeeksforGeeks**:   *Aug 2022 - Jun 2023*
  At GeeksforGeeks my work was closely related to writing the code for articles related to **Machine Learning** and **Deep Learning** topics as well as ensuring the sanity of the code that the team of freelancers wrote for the company. There were times I had an opportunity to work with the team of **Data Analytics** to derive insights for the reader traffic.

- **Mathematics Doubt Faculty at Toppr Technologies Pvt. Ltd.**:   *Jun 2021 - Dec 2021*
  This was a work-from-home opportunity in one of the EdTech giants Toppr Technologies Pvt. Ltd. In this job, I got an opportunity to use my higher mathematics and problem-solving skills to help students and develop content for the platform. Compiled content for JEE-level questions in the mathematics domain. Worked as a quality analyst as well for the existing content on the platform.

Other Projects

- **Mayo Clinic Strip AI:**   *Jul 2022*
  This was a research-based project that was mainly focused on how to identify the texture of an image and handle large-size **tiff** format images which were of very high dimension. Implemented a function that can reduce the unwanted parts in the image without altering the important pixel values. Applied **Gray Level Cooccurrence Matrix (GLCM)** and **Local Binary Pattern (LBP)** to perform the texture analysis task.

- **Autism Prediction using XGBoost Classifier:** *Jun 2022*

  This was basically a Kaggle Competition, in which participants were supposed to build an Autism Prediction model that could predict whether an individual has suffered from Autism or not. I secured the 9th position out of 120 participants. I was able to develop a model using the **XGBoost Classifier** that was able to predict the disease with an accuracy of 82%. Using the **Matplotlib** and **Seaborn** libraries for **Data Visualization** a thorough **Data Analysis** has been performed to gain an understanding of the data first and then **Feature Engineering** and **Data Cleaning** was performed using the Pandas.

- **Large Scale Energy Anomaly Detection:** *May 2022*

  In this project, meter readings and geographical locations were provided, and we were supposed to develop an ML model that could predict the anomalous energy usage so, that it could be handled as soon as possible and save energy wastage. Handling the **Data Imbalance** and implementing a **Neural Network** to predict the anomalies via using the **one-shot learning** method were some of the challenges of this project.

Technical Skills and Certifications

- Programming Languages: Java, Python, Django
- Deep Learning Framework: TensorFlow, PyTorch
- Other Software: PyCharm, Visual Studio, Jupyter Notebook
- Certifications: Deep Learning Specialization (Coursera)

Extracurricular Activities

Social Activities:
- A volunteer under the **Swachh Bharat Programme**, NIT Trichy chapter, in which we visited some schools and nearby areas to make them cleaner and greener.

Sport Activities:
- Completed a marathon of 10 Km within the stipulated time in Men Category in **Sportsfete'23**- the inter-department sports fest organized by NIT Trichy.