Shubham Dey

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Objective

Tech enthusiast with a strong interest in exploring and learning new technologies. Passionate about programming and development, with a problem-solving mindset focused on optimizing applications for improved stability and performance.

Education

- **Banaras Hindu University** — Varanasi, Uttar Pradesh
  M.Sc. in Computer Science, (GPA: 8.9[I year]) — *2023 - Present*
- **Visva Bharati University** — Santiniketan, West Bengal
  B.Sc. (Honours) in Computer Science, (GPA: 8.83) — *2020 - 2023*
- **Jawahar Navodaya Vidyalaya** — Bokaro, Jharkhand
  Intermediate (Science), CBSE, (GPA: 95.2%) — *2020*
- **Jawahar Navodaya Vidyalaya** — Bokaro, Jharkhand
  Matriculation, CBSE, (GPA: 92.4%) — *2018*

Technical Skills

- **General**: Python, C/C++, JAVA, MATLAB, SQL, Git/GitHub
- **Data Science & ML**: Numpy, Pandas, Scikit-Learn, NLTK, OpenCV, Tensorflow/Keras
- **Data Visualization**: Matplotlib, Seaborn
- **Web Technologies**: HTML5, CSS, JavaScript, PHP
- **Platforms**: Linux, Windows

Projects

- **Sentiment Analysis of Tweets** — *August 2024*
  Tools: Python, Jupyter, NLTK, Scikit-Learn, Pandas, Matplotlib, WordCloud, Streamlit — [GitHub Repo]
  - Developed a sentiment analysis model using Natural Language Processing (NLP) to classify the sentiments of a tweet as positive or negative. The project involved collecting, cleaning, and preprocessing a large dataset of tweets by removing noise such as hashtags, mentions, and URLs. Machine learning models were employed for classification, with an emphasis on text mining, data analysis, and data visualization to gain deeper insights into the sentiment patterns within the data.

Relevant Courses & Certifications

- **Computer Science**: Data Structures , Design & Analysis of Algorithms, Text Mining, Neural Networks, Artificial Intelligence, Machine Learning, Image Processing, Network Programming, Information Security, OOP using Java, Operating System, Database Management System, Computer Networks, Computer Architecture, Computer Graphics
- **Mathematics**: Linear Algebra, Calculus, Differential Equations, Discrete Mathematics, Probability & Statistics, Operational Research, Numerical Analysis
- NPTEL - Programming, Data Structures & Algorithms with Python
- NPTEL - Programming in Modern C++
- freeCodeCamp - Scientific Computing with Python
- freeCodeCamp - Responsive Web Design

Academic Achievements

- Secured 1st rank among all the successful candidates of the year in my Graduation.

Extra Curricular Activities

- Participated in the National Taekwondo Championship under Navodaya Vidyalaya Samiti and won a silver medal.
- Participated in the Regional Volleyball tournament under Navodaya Vidyalaya Samiti.