ABHINAV SINGH BOHRA

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EDUCATION

Graphic Era Hill University, Bhimtal — **Aug 2022 – Jul 2026**
B.Tech in Computer Science and Engineering

Vivekanand Vidhya Mandir Pithoragarh — **Mar 2022**
Intermediate

Vivekanand Vidhya Mandir Pithoragarh — **Mar 2020**
Matriculation

PROJECTS

Vidya (*Python, React.js, Django, PostgreSQL, MongoDB*) — **Aug 2025 – Ongoing**

- Engineered **"Vidya"**, a comprehensive online assessment platform empowering educational institutions to seamlessly create,manage, and administer quizzes and MCQ-based evaluations.
- Designed and integrated advanced functionalities such as intelligent question categorization, automated grading algorithms, and real-time performance analytics to enhance assessment precision and efficiency.
- Optimized platform scalability and user experience by implementing a robust backend architecture and an intuitive interface, enabling seamless management of large-scale student assessments.

Web Scrapper (*HTML,CSS,JS,Python*) — **Dec 2023**

- Developed a Flipkart Web Scraper to automatically extract product details such as name, design and price.
- Stored extracted data into an Excel sheet for easy comparison and review.
- Implemented using Python, BeautifulSoup/Requests, and Pandas for data extraction and storage.

Taxi Fare Prediction (*Machine Learning, Python*) — **Dec 2024**

- Developed a machine learning model in Python to predict taxi fare using pickup/drop,passenger and time.
- Processed and cleaned the NYC Taxi Fare Prediction Dataset from Kaggle using Pandas and NumPy.
- Achieved 87% prediction accuracy with an RMSE of 2.9 USD using XGBoost.

TECHNICAL SKILLS

Programming Languages	Python, C/C++, HTML, CSS, JavaScript
Development Tools	VS Code, Jupyter Notebook, Android Studio, GitHub
Frameworks	React.js, Node.js, Linux
ML/Data Analysis	NumPy, Pandas, Matplotlib ,scikit-learn
Databases	MySQL, PostgreSQL, MongoDB

COURSEWORK

AI: Constraint Satisfaction : IIT Madras, NPTEL
Joy of Computing Using Python : IIT Madras, NPTEL
MongoDB Developer's Toolkit : GeeksForGeeks
Academic Coursework : Data Structures, OOP Programming, Algorithms Analysis, Computer Networks, Operating Systems, Artificial Intelligence

INVOLVEMENT

- Worked in team-based projects, improving collaboration and project management skills.
- Solving daily coding challenges on LeetCode and GeeksforGeeks to strengthen DSA skills and problem-solving speed.
- Advanced to Stage 2 of AlgoUniversity Tech Fellowship from 20,000+ participants.