

Saurabh Verma

Bachelor of Technology
Dr. A.P.J. Abdul Kalam Technical University, Lucknow

+91-6388761029
✉ saurabhvr959@gmail.com
🐙 GitHub Profile
🌐 LinkedIn Profile

EDUCATION

- **Bachelor of Technology in Information Technology (Data Science)** 2020-24
Dr. A.P.J. Abdul Kalam Technical University , Lucknow CGPA: 7.01
- **Senior Secondary (XII), Science** 2019
Dr Virendra Swaroop Education Centre, Panki Percentage: 63.6
- **Secondary (X)** 2017
Dr Virendra Swaroop Education Centre, Panki CGPA: 7

PERSONAL PROJECTS

- **Virtual Mouse** 2022
A virtual mouse using the pyautogui library in Python involves simulating mouse actions and cursor control.
 - Designed a virtual mouse system using Python and PyAutoGUI, providing cross-platform control.
 - Developed gesture recognition for precise cursor control.
 - Technologies: Python, PyAutoGUI, Motion Trajectory Analysis
- **Gesture Recognition** 2023
A gesture-based recognition system
 - Implemented machine learning algorithms like SVM, CNN, and RNN to improve gesture recognition accuracy by 60%.
 - Seamlessly integrated with various applications (HCI, VR, gaming).
 - Technologies: Python, Computer Vision, SVM, CNN, RNN
- **Aspect Extraction (Final Year Project)** 2024
Aspect based Sentiment Analysis
 - Conceived and executed a robust aspect-based sentiment analysis by leveraging advanced supervised learning methodologies.
 - Fine-tuned models and evaluated results for scalable text data processing.
 - Technologies Used: Python, spaCy, Gensim, Scikit-learn, PyTorch, Pandas, SQL, Matplotlib, Seaborn, Git

EXPERIENCE

- **Data Analytics Internship** June - July 2023
FTI Technologies Pvt. Ltd. Online
 - Applied ML algorithms (SVM, KNN, Decision Trees, Random Forest) to real-world datasets.
 - Proficient in Python, R, SQL, data visualization tools (Pandas, Matplotlib, Seaborn).
 - Worked on projects involving business problem-solving through data-driven approaches.
- **Cognizant Artificial Intelligence Job Simulation on Forage** April - May 2024
Forage Online
 - Completed a job simulation focused on AI for Cognizant's Data Science team.
 - Conducted exploratory data analysis using Python and Google Colab for one of Cognizant's technology-led clients, Gala Groceries.
 - Prepare a Python module that contains code to train a model and output the performance metrics for the Machine Learning engineering team.
 - Communicated findings and analysis in the form of a PowerPoint slide to present the results back to the business.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Java, JavaScript, HTML+CSS

Libraries : C++ STL, Python Libraries (OpenCV, TensorFlow, PyTorch, spaCy, Gensim, Scikit-learn, Pandas, Matplotlib, Seaborn), Selenium, SQL, Git

Frameworks: Selenium

Data Analysis: Proficient in analyzing data using Python libraries (Pandas, NumPy) and visualization tools (Matplotlib, Seaborn, PowerBI, Tableau), DBT.

Machine Learning: Knowledge of machine learning concepts and algorithms.

Database Management: Understanding of database systems and SQL.

Soft Skills: Problem Solving, Critical thinking, Self-learning, Presentation, Adaptability

POSITIONS OF RESPONSIBILITY

• **Senior Secretary** Technical Council - RECABN, Ambedkar Nagar

Nov 2020 - June 2024

- Organize a Coding Competition to boost the confidence of the students.
- Collabe with IITB to conduct the workshop over Robotics.

ACHIEVEMENTS

- GATE CS/IT Qualified 2023: Successfully competed with lakhs of candidates nationwide.