

BIKRAM AGRAWAL

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EDUCATION

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Bachelor in Computer Science

NOV 2022 – PRESENT

ARNIKO AWASIYA SECONDARY SCHOOL

Higher Secondary Education

Aug 2018 – Aug 2020

COURSEWORK / SKILLS

- Data Structures and Algorithms
- Operating Systems
- OOP Concepts
- SQL
- Computer Networks

TECHNICAL SKILLS

Programming Languages: Python, C, C++

Frontend: HTML, CSS, JavaScript

Databases: SQL, MongoDB

Data Science: Machine Learning, Deep Learning, NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, TensorFlow

Tools: Git, GitHub, VSCode, Jupyter Notebook, Canva

PROJECTS

Vehicle Rental System 🔄

FEB 2024

Tools/Technologies: C++, Linked List, File Operations

- Developed a vehicle rental system with features like user registration, vehicle selection, and bill generation for vehicle rental firms.
- Managed vehicle inventory and user data efficiently using linked lists and implemented file storage for persistent record-keeping.

COVID-19 Trend Analysis and Prediction 🔄

DEC 2024

Tools/Technologies: Python, Pandas, Plotly, Facebook Prophet, CSV.

- Developed an end-to-end data analytics solution for analyzing COVID-19 trends, including infection rates, recoveries, and death counts globally and in India.
- Utilized Pandas for data preprocessing and Plotly to create interactive visualizations of key metrics.
- Built time series forecasting models using Facebook Prophet to predict COVID-19 cases for the upcoming week.
- Delivered actionable insights by visualizing trends and predictions, aiding in understanding the pandemic's spread.

CERTIFICATIONS

- PCAP: Programming Essentials in Python