

EDUCATION

B. E. Computer Science and Engineering

Shaheed Bhagat Singh State University
08/2021 - Present

Class XII

S D Vidyapith, Samastipur (CBSE) 2019 - 2020

Class X

S D Vidyapith, Samastipur (CBSE) 2017 - 2018

WORK EXPERIENCE

Data Science Intern

Sabudh Foundation 07/2024 - Present

Tasks

- **Data Analysis & Visualization:** Cleaned and analyzed datasets; created visualizations with Matplotlib, Seaborn, and Plotly; developed dashboards in PowerBI and Tableau.
- **Machine Learning & Database Management:** Developed models with Scikit-Learn; managed MySQL databases.
- **Web Scraping & Collaboration:** Implemented data collection with BeautifulSoup and Selenium; used Git for version control.
- Increased forecast accuracy by 20% with predictive models.
- Reduced analysis time by 30% through dashboard creation.
- Improved data collection efficiency by 25% via automation.

Web Developer Intern

Alphanumeric Ideas 06/2023 - 08/2023

Tasks

- **Front-End Development:** Developed and styled responsive web pages using HTML, CSS, and JavaScript.
- **Schema Design:** Designed and implemented data schemas to support front-end features and optimize data flow. Improved data collection efficiency by 25% via automation.
- Improved website usability and user engagement by 15%; reduced page load times by 20%.
- Enhanced data organization and efficiency through effective schema implementation.

CERTIFICATIONS

- **Machine Learning:** Udemy (Python, TensorFlow, Scikit-Learn)
- **Google Cloud:** Udemy (Google Cloud Platform, BigQuery)
- **Linux:** Udemy (Linux System Administration)
- **NCC:** NCC B certificate holder with 'B' grade.
- Secured 3rd position in the NCC Inter-Group Sport Shooting Competition 2023, Ludhiana.

SKILLS & LANGUAGES

- Machine Learning & Data Analysis: Python, Machine Learning Algorithms, Deep Learning Algorithms, Data Visualization (Plotly, Matplotlib, Seaborn), Statistical Analysis, Feature Engineering
- Database Management & Automation: MySQL, SQL Query Optimization, Web Scraping (Requests, Selenium, BeautifulSoup), Image Processing (OpenCV), UI Development (Tkinter)
- Data Manipulation & Processing: Pandas, NumPy, Data Cleaning, ETL Processes
- Web Development: Flask, HTML, CSS, Tailwind CSS
- Problem Solving: Analytical Thinking, Algorithm Design, Data-Driven Decision Making, Troubleshooting
- Additional Proficiencies: GitHub, Linux, Jupyter Notebooks, TensorFlow, PyTorch, SciPy

PERSONAL PROJECTS

Match My Mansion

- **Improved Decision-Making:** Integrated predictive analytics and personalized recommendations, resulting in a 25% increase in users' ability to make informed real estate decisions and a 15% improvement in investment outcomes.
- **Insightful Market Analysis:** Advanced data visualization features provided a 30% clearer understanding of market trends, aiding strategic decision-making and delivering actionable insights to stakeholders.
- **Comprehensive Technology Integration:** Utilized Flask for web development, HTML and Tailwind CSS for front-end design, Random Forest algorithms for price prediction, and Selenium and BeautifulSoup for data gathering, all managed with MySQL for secure data handling.

Automated Attendance System

- **Enhanced Operational Efficiency:** Implemented facial recognition and real-time monitoring, automating attendance tracking and increasing efficiency by 40%.
- **High Success Rate:** Achieved a 95% success rate in accurate attendance tracking using the Harkescade algorithm, significantly reducing errors and manual intervention.
- **Robust Data Management:** Ensured scalable and secure data storage with MySQL, effectively managing attendance records with 99.9% data integrity.
- **Comprehensive Technology Integration:** Python, Machine Learning, OpenCV, Tkinter, MySQL

ACHIEVEMENTS

- Achieved a global rank of 150 in the CodeChef coding event Sep23D.
- Solved 800+ questions on LeetCode, CodeChef, GeeksforGeeks, and HackerRank.
- Held multiple positions in my college society, including President of Compuweb.

ABOUT

Computer Science student with expertise in data science, machine learning, and web development. Solved 800+ coding challenges, ranked 150 globally in CodeChef Sep23D, and hold leadership roles in college. Certified in Machine Learning, Google Cloud, and Linux, demonstrating strong technical and problem-solving skills.