Yashfeen Fatma

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Education

Netaji Subhas University (NSU), Jamshedpur (CGPA ∼ 8.6 *: Till 4th Sem*) **2023 – 2026**
Bachelor of Computer Application - (Activities: DSA Lead at NSU Tech Club) *Jamshedpur, Jharkhand*

St. Mary's English High School (62.4 %) **2021 – 2023**
Intermediate - CBSE Board *Jamshedpur, Jharkhand*

Ramakrishana Vivekananda International English School (77 %) **July 2021**
Matriculation - ICSE Board *Jamshedpur, Jharkhand*

Relevant Coursework

- Data Structure & Algorithm
- C Programming
- C++
- Database Management System
- Java
- Python
- System Design
- HTML, CSS, JavaScript
- React
- Next.js
- Computer Architecture
- SQL
- Operating System
- Artificial Intelligence

Technical Skills

Languages/Skills: Data Structure and Algorithm (DSA), C++, C, Python, SQL, Database Management System (DBMS), Object Oriented Programming (OOP), Problem Solving
Tools/Softwares: VSCode, Python, Pandas, MatPlotlib, PowerBi, Tableau, GitHub, OriginLab, Oracle DBMS, MySQL, Jupyter Notebook, MS Office
Operating Systems: Linux (Ubuntu, RedHat, CentOS 7, 8, 9), Windows
LeetCode: Solved 200+ Data Structure and Algorithm (DSA) problems.
My LeetCode Profile - *https : //leetcode.com/u/yashfeen_fatma/*

Industrial Experience

Elevate Labs (Bengaluru, India) **April 2025 – May 2025**
Data Analyst Intern *Remote*

- To ensure data quality, huge raw datasets were cleaned and preprocessed using MS Excel and Python (Pandas). To find important business insights, a thorough Exploratory Data Analysis (EDA) was conducted using Python (Matplotlib, Seaborn, PowerBi), also developed innovative Tableau and PowerBi dashboards and visuals to aid with data-driven decision-making. Created and refined SQL queries for trend research and sales performance in MySQL. Python and MySQL were integrated to automate procedures for data visualization and summary. KPIs and filters were included into interactive dashboards specifically designed for business stakeholders.

Projects

Whiteboard Text Editor | *Full Stack* **July 2025**

- A full-stack collaborative whiteboard application for teams is called Whiteboard Text Editor. With features including text, shapes, and an eraser, it facilitates brainstorming in real time. Users can collaborate on shared canvases, form teams, and invite members. Constructed with Next.js, Tailwind, Shadcn/UI, Convex DB, and Kinde Auth, it provides modern scalability and secure access. An elegant illustration of collaboration fueled by contemporary online technology.

Alpha Code Library | *HTML, CSS, JavaScript, React* **Sept 2025**

- Online code and markdown editor build with react.js. Online Editor which supports html, css, and js code with instant view of website. Online markdown editor for building README file which supports GFM, Custom Html tags with toolbar and instant preview.Both the editor supports auto save of work using Local Storage.

Personal Portfolio | *HTML, CSS, JavaScript, React.js, Node.js, Express.js* **Sept 2025**

- Personal Portfolio Website: Using React.js, JavaScript, HTML5, and CSS3, I created a dynamic and responsive portfolio to highlight my abilities, projects, and CV. included blogs, resume downloads, and links to GitHub projects with a clean, contemporary UI/UX.

Road Safety Analysis with approx 20k datasets | *Python, Power Bi, Excel* **July 2025**

- In Power BI, data cleaning was carried out by substituting missing values, standardizing the format of the date columns, and replacing faulty dates with precise accident dates. To maintain the data accuracy, duplicate records were eliminated. Conditional formatting was used to construct a custom column, and logical conditions were used to generate a vehicle type category column. For uniformity, vehicle types, dates, area, and all respective data details were also standardized. Further, built a Power BI dashboard that is interactive and includes KPI cards for the number of unique accidents, fatalities, and injuries. The visuals consist of a clustered bar chart (Speed vs Severity), a line chart (Accident Trend Over Time), a donut chart (Urban vs Rural Accidents), a column chart (Weather vs Severity), and a bar chart (Vehicle Type Involvement). Road Type, District Zone, Urban/Rural, and Date Range filters were added to provide for user driven insights. † Project allotted by Prof. Vijay Gopal Kovvali, *Associated with Indian Institute of Science - IISc Bangalore.*

Scam Alert web tool to detect and report scam in real time | *Front-End, API-Sheet.best, Backend* **July 2025**

- HTML is used for structuring our intuitive user interface. Furthermore, CSS is for crafting a clean, accessible, and user-friendly design and, JavaScript powered the dynamic content, user interactions, and fetching data. Backend & Data Storage - Google Sheets utilized for our robust and collaborative database for storing all scam reports. (Emphasize its accessibility and ease of use for data management. We easily converted our Google Sheet into a real-time REST API using the Sheet.best API, which allowed us to write new user-submitted reports straight from the frontend and read old scam alerts. Because of its smooth integration, complicated server configurations were no longer necessary, which made it perfect for quick, effective development during a hackathon. † *Associated with Hackathon conducted by CBNCC and College Tech Community.*

Electric Vehicle Demand Forecasting | *Python, Power Bi, Excel, Jupyter Notebook* **April 2025**

- I Designed and implemented a forecasting model to predict electric vehicle (EV) charging demand using historical usage and weather data. Performed data cleaning, merging, and preprocessing of EV session logs and weather conditions to create a comprehensive dataset. Built and evaluated multiple forecasting models (Random Forest, Linear Regression, Prophet), achieving a model with $R^2 = 0.57$. Further developed interactive dashboards in Power BI with visual KPIs, heatmaps, and time-series plots to display predicted charging demand. Applied feature importance analysis to determine key influencing factors such as temperature, humidity, and wind speed. Delivered a data-driven strategy for EV charging station optimization based on usage predictions and environmental variables. († *Associated with Elevate Labs*)

Modern Periodic Table Using C | *C, Procedural Programming Language* **December 2024**

- I have developed a modern periodic table using C programming, incorporating a series of if else statements and leveraging boost logic to enhance the functionality. Also used if-else statements to handle different cases and conditions for element data initialization and manipulation. Boost logic was utilized to optimize certain logical operations and improve the overall efficiency of the code. This setup allows for the periodic table to be displayed in readable format, providing detailed information for each element enabling user interaction to access specific element details. The use of Boost logic in particular helps streamline complex logical operations making the program more efficient and maintainable.

Student Management System | *C++, STL, OOPS, Data Structure and Algorithm* **March 2024**

- I developed a Console-based Student Management System using C++ and file handling to perform CRUD (Create, Read, Update, Delete) operations on student records. The system allow users to add, search, update and delete student info while ensuring data persistence using text files. Moreover implemented OOP (Object-Oriented Programming) concepts such as classes, objects, encapsulation and file handling to maintain structured data storage and retrieval.

Declaration

I certify that, to the best of my knowledge and belief, all of the information on this Curriculum Vitae (CV) is true, complete, and accurate. I am dedicated to maintaining the higher levels of professionalism and integrity, and I accept full responsibility for the accuracy of the every information provided. As of right now, the information represents my accomplishments, professional experience, education, and skills. I am certain that this CV presents an accurate and complete picture of my profile, and I am fully aware that it represents my qualifications and capabilities. I look forward to the chance to make a significant impact towards the respective organization I'll intend to work and contribute for, and am ready to provide any further information or supporting data upon request.