Aafiya Choudhary

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Education:

- **VIT Bhopal University**   Oct 2022-Oct 2026
  B.Tech. Computer Science And Engineering specialization in Cloud Computing And Automation
    - **Cumulative GPA:** 8.79 (till 6th Semester)
    - **Coursework:** Operating Systems, Database Management Systems (DBMS), Artificial Intelligence, Advanced Technical Communication, Object Oriented Programming With C++

Technical Skills:

- **Programming Languages:** Python, C++, HTML, CSS, SQL, JavaScript
- **Libraries and Frameworks:** Pandas, NumPy, Scikit-Learn, Plotly, NLP Modules, Streamlit, React
- **Tools:** MS PowerPoint, MS Word, MS Excel, MATLAB, Simulink, Canva
- **Databases and Technologies:** MySQL, Machine Learning, AI Fundamentals, AWS

Experience:

- **Tech Superior Consulting:**   Dec 2024-Jan 2025
  SDE Intern
    - **Developed 15+ responsive web templates** using HTML, CSS, and JavaScript, ensuring cross-browser compatibility and optimized user interfaces.
    - **Executed manual and automated web application testing**, identifying and resolving defects to improve functionality and performance.
    - **Documented and reported test results** while collaborating with development teams to address software issues effectively.
    - **Trained in front-end technologies and QA methodologies**, including automation tools and manual testing processes.

Projects:

- **Cancer Cell Classifier:** *HTML, CSS, JavaScript, ML classification models, NumPy, Plotly,*   Aug 2023-Nov 2023
  Scikit-Learn, Stream Lit Framework **Project Link**
    - Developed a web application using HTML, CSS, JavaScript, and ML models to enhance cancer diagnosis and treatment
    - Performed data cleaning and preprocessing, leading to a **47% increase** in model performance, while strategically reserving **33%** of the data for testing.
    - Deployed SVM, Decision Tree, and Gaussian Naive Bayes algorithms with accuracy ranging from **84% to 94.14%.**
    - Pioneered a Scikit-Learn-based machine learning project, achieving **94.14%** improvement in predictive modeling accuracy.
- **Chatbot using Python**: *Python, NLP, and Scikit-learn* **Project Link**   Jun 2023-Jul 2023
    - Designed and deployed a chatbot using Python, NLP, and Scikit-learn, reducing bot response time by 50% and significantly enhancing user satisfaction and engagement metrics.
    - Implemented NLP techniques to process and analyze user input, enhancing the chatbot's understanding by **70%**.
    - Explored text classification methods for categorizing user input with **80% accuracy**.

Certifications:

- An Introduction to Artificial Intelligence : **NPTEL** (Among the **Top 170** out of 55,164 learners)
- MATLAB Onramp : **MATLAB Coding**
- Simulink Onramp : **MATLAB Coding**
- Service Models in Cloud Computing and Starting With Cloud Computing: **Nasscom FutureSkills**

Achievements:

- Achieved a **4-star Silver Badge** on HackerRank in **SQL**, securing 450 points.
- Ranked among the top **67** teams to advance to the **Semifinals in TATA Elxsi Teliport Season 2**.
- Demonstrated exceptional coding proficiency by achieving **3-star Silver Badges** in both Python and C++ on HackerRank, solving over **70** complex algorithmic challenges within a 3-month period.
- **Myntra WeForShe 2024 Ideation Round:** Advanced to the next stage, ranking among the top 1,214 candidates out of 26,232 applicants.
- Recognized as a **LinkedIn AI Top Voice** for ranking among the **top 5%** contributors in AI discussions.
- **AWS AI/ML Scholar:** Awarded a **$4,000 worth** Scholarship, acquiring foundational skills in AI and ML using Python.
- **HackTheBox: Cyber Apocalypse, Ranked 75th** globally, showcasing advanced cybersecurity and ethical hacking expertise.

Languages: Fluent in Hindi, **English**, and Basic proficiency in Arabic.