

# AAFIYA CHOUDHARY

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## Education

### VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering - CGPA: 8.77

Sep 2022 - Oct 2026

Sehore, Madhya Pradesh

- Relevant Coursework:** Data Structures, Software Methodology, Database Management, Artificial Intelligence, Operating Systems, Object-Oriented Programming With C++

## Technical Skills

**Programming Languages:** Python, C++, SQL, HTML/CSS

**Machine Learning:** Scikit-Learn, Pandas, NumPy, Random Forest, Gaussian Naive Bayes algorithms, Decision Tree

**Cloud & Tools:** AWS, Azure, Git, VS Code, REST APIs

**Databases & Frameworks:** MySQL, React, Streamlit

**Specializations:** Cloud Computing, Data Analytics, Research

## Experience

### Tech Superior Consulting

Software Development Engineer Intern

Dec 2024 - Jan 2025

Gurugram, Haryana

- Implemented core UI components for an **AI-powered SaaS HR ERP software**, automating recruitment workflows and slashing time-to-hire by 15%.
- Built **5+ responsive web components** including platform's dashboard and ticket management components, resulting in a 60% reduction in page load times and improved user satisfaction based on internal surveys.
- Streamlined documentation** for HR workflow modules, partnering with cross-functional development teams to ensure 99% platform stability and performance optimization for enterprise client onboarding.

## Achievements

- Ranked among the **top 50 teams** to advance to the Semifinals in **TATA Elxsi Teliport Season 2** hackathon.
- HackTheBox Cyber Apocalypse: **Ranked 75th globally**, showcasing advanced cybersecurity and ethical hacking expertise.
- Recognized as a **LinkedIn AI Top Voice** for ranking among the **top 5% contributors** in AI data science discussions.
- AWS AI/ML Scholar:** Awarded a \$4,000 scholarship, acquiring foundational skills in AI and ML using Python.
- Achieved 4-star Silver Badge in SQL (450 points) and 3-star Silver Badges in Python & C++ on [HackerRank](#).

## Extracurriculars

### Management Co-lead at CloudZone Club, VIT Bhopal

Oct 2024 - Apr 2025

- Spearheaded the CloudZone Club's technical workshop program, orchestrating cloud computing seminars for over 200 students, resulting in a 40% increase in club participation and engagement.

## Projects

### Agro-Assistance | Full-Stack Web Development, Machine Learning, API Integration | [Link](#)

Dec 2024 - Feb 2025

- Launched an AI-powered agricultural platform serving 30K+ users with 93% crop disease detection accuracy using Random Forest algorithm.
- Configured REST APIs, processing 15K+ daily ML predictions using Random Forest and Linear Regression models trained on 1000+ agricultural datasets, reducing farmer crop losses by 35% through predictive analytics.
- Architected responsive web interface components, resulting in an 85% user satisfaction rate with mobile-optimized dashboards for real-time insights.

### MediGram | HTML, CSS, JavaScript, ML models, Streamlit | [Link](#)

Aug 2023 - Nov 2023

- Engineered a cancer cell classifier web application using HTML, CSS, JavaScript, and Machine Learning models to enhance early cancer diagnosis.
- Executed data cleaning and preprocessing, leading to a **47%** increase in model performance, while reserving **33%** of data for testing.
- Deployed Decision Tree, and Gaussian Naive Bayes algorithms with accuracy ranging from **84%** to **94.14%**.

## Certifications

- An Introduction to Artificial Intelligence:** NPTEL (Among the **Top 170** out of 55,164 learners) | [Link](#)
- Azure Data Fundamentals (DP - 900):** Microsoft | [Link](#)

## Languages

English (Fluent), Hindi (Fluent), Arabic (Basic)