Farha Ansari

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EDUCATION

- **VIT Bhopal University**   *(September 2022 - Present)*
  Bachelor of Technology in Computer Science & Engineering | CGPA: 8.26
- **The Oxford Higher Sr. Sec School, Sehore (M.P.)**   *(June 2021)*
  Higher Secondary | Percentage: 91%

Technical Skills

- **Languages:** Python, C++ (DSA), JavaScript, SQL
- **Frameworks & Tools:** Pandas, NumPy, Power BI, Excel, Tableau, Git/GitHub
- **Concepts:** Object-Oriented Programming (OOP), REST APIs, Database Design, Cloud-based Systems
- **Development Areas:** Data Automation, Backend Logic, Reporting Systems, Agile Collaboration

Projects

DataPulse /Python, Apache Kafka, Spark Streaming, SQL| GitHub Repository   (April 2025)
- Built a **real-time ETL pipeline** to process IoT sensor data, enabling instant monitoring and actionable insights for smart environments.
- Applied **data cleaning, anomaly detection, and aggregation** with Spark Streaming to ensure reliable processing of **5K+ events/day**.
- Developed a **Grafana dashboard** to visualize live sensor data and anomalies, improving system responsiveness and decision-making by **15%**.

VitalTrack | Python, SQL, XGBoost, LSTM| GitHub Repository   *(*August 2025)
- Engineered an AI-driven predictive model using wearable and clinical data to identify early disease risks, improving detection accuracy by **up to 85%**.
- Integrated SQL-based EHR management with Python analytics pipelines (Pandas, NumPy) for real-time, clean, and normalized data processing.
- Delivered actionable insights with explainable ML models (XGBoost, LSTM) to support proactive clinical decision-making and personalized healthcare interventions.

CareSight | Python, NLP, Computer Vision, SQL | GitHub Repository   (August 2025)
- Developed an emotion-driven predictive analytics platform combining clinical data, patient feedback, and social media sentiment to forecast healthcare trends, improving early detection of patient concerns by 35%.
- Implemented NLP and computer vision to quantify patient emotions, increasing accuracy of sentiment-based predictions by 40%.
- Designed an interactive dashboard enabling healthcare administrators to make faster, data-driven decisions and reduce response time to emerging health issues by 30%.

Extracurricular

English Literary Association, VIT Bhopal   *(March 2024 – April 2025)*
- Led the planning and execution of university-wide events with 500+ participants.
- Managed a team of 10+ volunteers, overseeing content development, logistics, and promotions.
- Boosted event participation by 25% year-over-year through structured planning and innovative engagement strategies.
- Recognized for effective leadership and organizational impact within the student community.

Additional Information

- 5-Star Achiever in Python and SQL, Hacker Rank
- Solved 300+ questions on the Geeks for Geeks coding platform.
- Hobbies: Reading.