

Faijan Khan

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Education

VIT Bhopal University

B.Tech in Computer Science

Expected May 2026

CGPA: 8.44

Skills

Data Analysis & Visualization: Excel, SQL, Power BI, Tableau, Python (Pandas, NumPy)

Programming: Python, Java

Data Science & ML: Machine Learning, Data Modeling, Computer Vision, Deep Learning

Tools & Technologies: FastAPI, Docker, PyTorch, TensorFlow, OpenCV, Git

Experience

Data Science Intern

Jan 2025 – July 2025

Sabudh Foundation

Remote

- Developed a data pipeline using Python and OpenCV to automatically extract and process advertising placement data from 540+ NBA video frames.
- Utilized **SQL** and Python to query, clean, and analyze the extracted data, identifying key trends in brand visibility and ad frequency.
- Designed and automated stakeholder reports and **dashboards** to visualize findings, effectively summarizing ad performance metrics and delivering actionable insights.

Projects

NBA Advertisement Analysis | *Python, OpenCV, OCR, SQL, FastAPI*

Feb 2025 – July 2025

- Engineered an end-to-end system to automatically detect and log brand advertisements in NBA game videos, creating a structured dataset for analysis.
- Processed and structured the output using Python and fuzzy matching, preparing the data for querying and trend analysis.
- Achieved an 86% F1-score in data extraction, providing reliable data for downstream **analytics** and reporting.
- Built an automated reporting pipeline that generated frame-by-frame analysis and PDF summaries, reducing manual ad-tracking effort by over 90%.

Virtual Try-On System | *Python, PyTorch, U-Net, GAN, OpenPose*

Aug 2024 – Jan 2025

- Developed a deep learning system for photo-realistic virtual clothes try-on using a Conditional GAN framework with a U-Net generator.
- Implemented Thin-Plate Spline (TPS) transformation for accurate garment warping to align with diverse body poses, achieving high-quality visual results.

Extracurricular Activities

EDU4U club

Sep 2023 – Nov 2024

Event Management Lead

VIT Bhopal

- Organized 10+ technical and educational events, coordinating logistics and leading teams of 10+ students to engage 500+ attendees.
- Developed skills in project management and problem-solving, ensuring smooth execution under tight deadlines.