

Mansaa Kohli

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SUMMARY

Third-year B.Tech student specializing in Artificial Intelligence and Machine Learning at VIT Bhopal University with a strong academic record and practical exposure to AI-driven projects, data analysis, and software development. Demonstrates good working knowledge of Python, object-oriented programming concepts, and machine learning fundamentals, gained through coursework, projects, hackathons, and research work. Experienced in collaborative team environments and research-oriented problem solving, with a growing focus on building practical, scalable, and user-centric solutions.

TECHNICAL SKILLS

- Programming Languages:** Python, Java, C++, SQL
- Frameworks & Libraries:** Scikit-learn, Pandas, NumPy
- Cloud & DevOps:** AWS (foundational services), Git, GitHub
- Tools & Design:** Canva, Adobe Express

PROJECTS

SafeWalk – AI-Powered Fall Detection App

Secured 3rd Place in CodeVerse Hackathon (250+ Teams)

- Developed an AI-powered fall detection web application for elderly safety using real-time camera input and TensorFlow.js
- Built a responsive, accessible interface using React, Next.js, Tailwind CSS, and TypeScript, with in-browser processing for privacy
- Collaborated in a team environment, using GitHub for version control and feature integration

RESEARCH EXPERIENCE

Clinical Decision Support through Machine Learning: Diabetes Onset Prediction

- Co-authored a research paper benchmarking LightGBM and deep learning models for predicting diabetes onset
- Performed data preprocessing, model training, performance evaluation, and comparative analysis
- Paper accepted for oral presentation at the 4th International Conference on Applied Artificial Intelligence and Computing (ICAAIC 2025)

CERTIFICATIONS

- IBM – Python for Data Science, AI and Development • IBM – Generative AI Using IBM Watsonx • Microsoft – Certified Azure Data Fundamentals (DP-900) • Microsoft – Azure AI Odyssey • NPTEL – Cloud Computing •
- University of Michigan (Coursera) – Applied Machine Learning in Python • MathWorks – MATLAB Onramp •
- Deloitte – Cyber Job Simulation

EDUCATION

VIT BHOPAL UNIVERSITY

Sep 2023 -May 2027

Bachelor of Technology (BTech) – AI & ML [CURRENT CGPA:8.88]

St. Joseph's Convent, Jabalpur

Senior Secondary[71.4%]
Secondary [95.2%]

May 2023
June 2021

EXTRACURRICULAR ACTIVITIES

- Core Member, AWS Club (Design Team)
- Volunteer, TCS Recruitment Drive