

Kshitij Dalvi

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Skills

Languages: Languages: C++, C#, Java, Python, SQL.

Technologies & Tools: AWS, EC2, VPC, ML.NET, .NET MVC, ASP.NET.

Work Experience

AI Club, VIT Bhopal University

March 2024 - March 2025

Tech Team Lead

- Scaled project output by 133%, leading 7 projects by optimizing team workflows and mentorship.
- Increased team members strength to 175% to deliver business-centric solutions with 52+ hours of structured discussions
- Primary Role in structuring 3+ Technical Events with cumulative 900+ Participants.

Freelancing Club, VIT Bhopal University

March 2024 - March 2025

General Secretary

- Collaborated with teams across the club to host events for College, which led to forming a Freelancing Community of over 100+ freelancers.
- Expanded the freelancing community by 738% (from 8 to 67 members) 3+ skill-building events

AI Club, VIT Bhopal University

March 2023 - March 2024

Tech Team Member

- **Cityscapes**
- Developed Cityscapes with 100+ downloads and 100% positive reviews on CivitAI. This tool leverages GANs and OpenCV to generate 3D city structures in JSON format from contour images.
- Automated 3D city modeling, saving 2+ hours per project.
- Pix2Pix GAN (U-Net Architecture),
- Python, OpenCV. Link: <https://civitai.green/models/140815/aiccitymaps>
- **AI Expo:** OpenCV Innovation Workshop Aimed to create interactive games for participants, increasing engagement and promoting OpenCV.
- Python, OpenCV
- Link <https://github.com/kshitijdalvi4/AirDrums>
- Enabled 14% of participants (10/70) to build functional projects in a Live Workshop on CNNs, through hands-on mentoring.
- Certificate Link: <https://drive.google.com/drive/folders/0AMvWegADf5wdUk9PVA>

Education

VIT Bhopal University

Aug 2022- 2026

B.Tech in Computer Science and Engineering (Specialization in AIML)

CGPA: 8.69/10

Relevant Coursework: Object Oriented Programming, Artificial Neural Networks, Reinforcement Learning, Deep Learning, Discrete Maths, Data Structures and Algorithms, Machine Learning, Data Mining, Computer Vision

Project Work

- **Smart India Hackathon (2024):** Gamification of Indian Constitution as part of the Problem Statement using Unity.
- Implemented the research to achieve longer retention of content through the gamification.
- **Loan Calculator (2024):** Business Project as part of online course to calculate Loans installments, in order to practice and develop C# and ASP .NET skills.
- **Computer Vision Grade Detector (2024):** Knee Osteoarthritis and Food Purine Detector for Hyper-uremia Built a Computer Vision project in Roboflow . Trained on 1.4k+ pre-annotated images of Knee X-ray (Grade 0 to Grade 4) and 1.2k+ images of Food.
- **Water Level Indicator (2024):** Developed a Water level indicator for Overhead Tanks. Collected and Annotated 200+ Water level images. Detect water levels (Empty-Overflow)
- **MoviePRO (Ongoing):** Constructing a movie database application with C, ASP.NET, and SQL, integrating an external API to retrieve movie data, allowing users to search and save films from a 100,000+ title library.