

Devanshi Pathak

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github.com/coderDevanshi | linkedin.com/in/pathak-devanshi

Skills and Certifications

Languages: Java, Python, JavaScript, MySQL

Technologies & Tools: Django, AWS, DevOps, Data Science, Database Management, Machine Learning, Cloud Computing

Certifications: Specialization in Machine Learning, AWS certified Cloud Practitioner, AWS certified Solutions Architect-Associate.

Education

Vellore Institute of Technology, Bhopal (Sept 2021-Pursuing)

B.Tech in Computer Science and Engineering

CGPA: 9.20/10

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Advance Data Structures and Algorithms, Computer Vision, Human-Computer Interaction, Computer Architecture

St. Mary's Convent Inter College (Apr 2020-Jul 2021)

Senior Secondary Education (ISC)

Percentage: 90.5

St. Mary's Convent Inter College (Apr 2018-May 2019)

Higher Secondary Education (ICSE)

Percentage: 90.2

Project Work

AI Road Inspection Model (Aug 2023 - Oct 2023)

- Enhanced road inspection efficiency using advanced computer vision techniques to automatically detect road defects with 95% accuracy.
- Optimized road anomaly detection by training models with YOLO V5 and YOLO V8, which improved detection accuracy by 27% and reduced classification errors by 18%, enhancing overall system reliability.
- Leveraged Roboflow for dataset preparation and augmentation to improve model performance and labeling of around 450 images.
- Refined machine learning model with TensorFlow, boosting prediction accuracy by 25%; embedded it within a Streamlit app for intuitive access and comprehensive visualization, streamlining user interactions.
- Technologies: Yolo V5 and Yolo V8 Algorithms, Roboflow, Tensorflow, Pandas, Streamlit, Linux.
- Link and Results: <https://github.com/OmdenaAI/bhopal-mexico-ai-road-inspection>

Website for freelancers (Nov 2022 – Feb 2023)

- Developed and launched a comprehensive freelancing website with embedded video calling to enhance remote collaboration capabilities and 1 to 1 meetings.
- Designed and implemented a Django-based backend to handle user authentication and project management.
- Incorporated Jitsi-Meet API to enable real-time video communication between freelancers and clients.
- Technologies: Django(Backend), SQLite3(Relational Database), JavaScript, Jitsi-Meet API, HTML/CSS, AWS, Linux.
- Link and Results: <https://github.com/coderDevanshi/Vlancing-main>

Responsibilities

- Tech Team Core member at Cisco Community VIT Bhopal. (2023-2024)
 - Moderated and addressed a large-scale event with over 250+ attendees, ensuring smooth execution and positive feedback from attendees.
 - Executed the CodeX Frontend Competition in February 2024, attracting 100 talented developers, promoting a competitive environment, and achieving a participant satisfaction rate of 90%.
- Contributor in Water Quality Monitoring Project Omdena Local Chapter VITB (Feb 2023).
- International Colleague with 35 other contributors around the world, Omdena VIT Bhopal X Mexico Omdena Chapter (2023).