

# Abhi Pandey

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## SUMMARY

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Third-year Computer Science student specializing in AI/ML, proficient in Python and Java. Strong foundation in CS fundamentals including DSA, OS, and DBMS. Seeking a challenging software engineering internship to apply and expand my technical skills.

## TECHNICAL SKILLS

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- **Programming Languages:** Python, Java, JavaScript, SQL, MATLAB
- **Front-End Development:** HTML5, CSS3, JavaScript
- **CS Fundamentals:** Data Structures & Algorithms (DSA), Operating Systems (OS), Computer Networks (CN), DBMS

## PROJECTS

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- **Skin Disease Detection** **Sep 2024 – Dec 2024**  
*Deep Learning & Data Processing* *Python, TensorFlow, Gradio, Scikit-learn*
  - Engineered a Convolutional Neural Network (CNN) by processing and augmenting a diverse dataset of skin lesion images to achieve high classification accuracy.
  - Developed and deployed an intuitive web application on Hugging Face Spaces using Python, TensorFlow, and Gradio for public demonstration.
- **Potato Disease Detection** **Sep 2024 – Dec 2024**  
*Transfer Learning & Image Pipelines* *Python, TensorFlow, OpenCV, Matplotlib*
  - Implemented a transfer learning solution with a fine-tuned MobileNetV2 model inside an end-to-end OpenCV pipeline for real-time leaf image analysis.
  - Delivered an accessible diagnostic tool with a Gradio interface to aid in early agricultural disease monitoring and crop protection.

## EXPERIENCE

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- **Club Coordinator** **June 2024 – Present**  
*VITronix Club & Defence Warriors Club* *VIT Bhopal*
  - Lead operations for both technical (VITronix) and non-technical (Defence Warriors) clubs, aligning events and workshops with strategic goals.
  - Act as the key liaison between members, the executive board, and faculty to streamline all planning and communication processes.
- **Core Member, Event Management** **May 2024 – Present**  
*Fusion Club & UX Club* *VIT Bhopal*
  - Planned and executed large-scale events, including cultural fests and technical workshops, by managing project timelines and coordinating team efforts.
  - Managed all event logistics, including budgeting, venue booking, and promotional outreach to consistently boost student engagement.

## EDUCATION

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- **VIT Bhopal University** **Aug 2023 – Sep 2027**  
*B.Tech, Computer Science (AI & Machine Learning)* *Bhopal, MP*
- **Kdma World School** **April 2014 – May 2022**  
*Class 10 & Class 12* *Kanpur, UP*

## CERTIFICATIONS

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- Cloud Computing Certification by NPTEL (IIT Kharagpur)
- MATLAB Onramp (MathWorks)
- Fundamentals of AI and ML (Vityarthi)