



# Harsh Pandey

Whitefield, Bangalore

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## TECHNICAL SKILLS

Programming Languages	Java, Python, C, C++, SQL
AI and ML	Deep Learning, Generative AI, RAG, LLMOOPs, ML Pipelining
Web Development	HTML, CSS, JavaScript
Tools and Frameworks	Langchain, TensorFlow, Keras, RASA, Git, Cisco Packet Tracer

## EDUCATION

Qualification	Year	Educational institution	CGPA/Percentage
B. Tech (CSE)	2021-2025	Vellore Institute of Technology, Vellore	8.65/10
Class XII (CBSE)	2021	Doon International School, Dehradun	84%
Class X (CBSE)	2019	Doon International School, Kanpur	95%

## WORK EXPERIENCE

Logic Information Systems, Bangalore	<b>Automation of Data Retrieval via Chatbot (May 24 – Jun 24)</b> <ul style="list-style-type: none"><li>Implemented a ML pipeline for automation of data retrieval from Company's Oracle retail database using RAG for context Injection to generate Text-to-SQL using Large Language Model.</li><li>Contributed to creation of advanced and user friendly Chatbot using RASA framework that automates information access without manual DDL commands.</li><li><b>Tech Stack:</b> Python, Langchain, RAG, LLMOOPs, Generative AI, Vector Stores, JavaScript, RASA</li><li><b>Certificate:</b> <a href="#">Link</a></li></ul>
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## PROJECTS

Chat with PDF (Generative AI, LLM & Langchain)	<ul style="list-style-type: none"><li><b>Description:</b> Developed an innovative platform enabling users to upload PDF files, pose complex questions, and receive precise conversational answers, leading to a 50% increase in user satisfaction and query resolution efficiency</li><li><b>Tech Stack:</b> Python, Langchain, LLM, LLMOOPs, RAG, Vector DB, HTML, CSS, JavaScript</li><li><b>GitHub:</b> <a href="#">Link</a></li></ul>
Face Emotion Detection for Cognitive Study (AI & DL)	<ul style="list-style-type: none"><li><b>Description:</b> Launched an innovative platform for educators to identify and analyze student emotions through realtime facial recognition, improving cognitive assessment tools; reduced exam stress indicators by 25% and increased classroom interaction by 30%</li><li><b>Tech Stack:</b> Python, TensorFlow, Keras, OpenCV, Flask, Keras, CNN, HTML, CSS &amp; JavaScript</li><li><b>GitHub:</b> <a href="#">Link</a></li></ul>
Early Diagnosis of Diseases Using Human Nails (AI & CNN)	<ul style="list-style-type: none"><li><b>Description:</b> Created a cutting-edge health care application using image recognition to analyze nail images for disease diagnosis; provided comprehensive insights on causes, symptoms, and treatments, enhancing patient outcomes and clinician efficiency by 40%.</li><li><b>Tech Stack:</b> Python, TensorFlow, CNN, Flask, Keras, HTML, CSS &amp; JavaScript</li><li><b>GitHub:</b> <a href="#">Link</a></li></ul>

## EXTRA-CURRICULARS AND ACHIEVEMENTS

Certifications	<ul style="list-style-type: none"><li>Artificial Intelligence and Machine Learning Powered by Google Developers- SmartBridge, India (<a href="#">Link</a>)</li><li>MERN Full Stack- Ethnus, India (<a href="#">Link</a>)</li><li>Get Started with Artificial Intelligence- MathWorks (Virtual Internship Program) (<a href="#">Link</a>)</li></ul>
Responsibilities	<ul style="list-style-type: none"><li>Events Head, IEEE TEMS, Student Chapter, VIT Vellore 2023-2025 (Ongoing)</li><li>Senior Core, Apple's Developer Group, Student Club, VIT Vellore 2023-2024 (1 Year)</li></ul>
Extracurricular	<ul style="list-style-type: none"><li>Conducted various technical and non-technical events for IEEE TEMS as Event's Head (VIT Vellore)</li><li>Conducted research on radon emission from flooring and environmental sources, proposing two effective solutions to mitigate the impact of these emissions.</li></ul>

## ADDITIONAL INFORMATION

Hobbies	<ul style="list-style-type: none"><li><b>Exploring New Technologies:</b> Continuously learning about emerging tech trends and advancements.</li><li><b>Travelling:</b> Visiting new places and experiencing different cultures.</li><li><b>Sports:</b> Playing cricket and football, which helps in team building and strategic thinking.</li></ul>
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