**VIDHIKA JAIN**  
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**Professional Summary**

Detail-oriented and research-driven Integrated M.Tech student in Artificial Intelligence at VIT Bhopal with academic and project-based experience in full-stack development and applied machine learning. Passionate about solving real-world problems using AI, particularly in healthcare and sustainable technologies. Adept at working in team environments and communicating complex ideas effectively.

**Technical Skills**

* **Programming Languages:** Python, Java, SQL
* **AI/ML Frameworks:** TensorFlow, Scikit-learn, OpenCV, Pandas, NumPy, NLP
* **Web Development:** Flask, HTML, CSS, JavaScript
* **Tools & Platforms:** Git, Jupyter Notebook, VS Code, Tkinter

**Education**

**Vellore Institute of Technology, Bhopal**  
*Integrated M.Tech in Artificial Intelligence*  
**Oct 2022 – Present**

**Academic Projects**

**NeuroTask: Smart Automation**  
*Apr 2025*

* Designed a voice assistant using Python that leverages both cloud (GPT-3.5) and local (Gemma) LLMs for real-time file management and automation.
* Enabled functionalities such as voice-activated file sorting based on semantics and user intent.
* Tools: Python, speech\_recognition, pyttsx3, Tkinter, OpenAI API, Ollama.

**Machine Learning-Based CKD and Diabetes Prediction**  
*Dec 2024 – Apr 2025*

* Built a Flask web app that predicts chronic illnesses using ML algorithms with accuracies of 96-98%.
* Incorporated rural applicability through intuitive UI and accessible diagnostics.
* Tools: Python, Scikit-learn, PCA, RFE, Flask, HTML/CSS.

**Pooh AI – Personal Optimised Online Helper**  
*Nov 2024 – Mar 2025*

* Developed a smart assistant to perform personalized tasks using voice commands.
* Integrated NLP techniques to enhance conversational fluency and user engagement.
* Tools: Python, SpeechRecognition, Tkinter.

**CamScanner**  
*May 2024 – Nov 2024*

* Created a Python tool using OpenCV for document enhancement and automatic cropping.
* Improved user satisfaction by refining image clarity and file output quality.

**Early Disease Detection in Plants**  
*Feb 2023 – Jun 2023*

* Trained CNN models on plant leaf datasets to classify disease types.
* Documented findings for use in further academic research and publication.

**Languages**

* English (Fluent)
* Hindi (Fluent)