VIDHIKA JAIN

•AI Engineer | Machine Learning

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SUMMARY

Pre-final-year Integrated M.Tech student in Artificial Intelligence with expertise in Python, Machine Learning, and intelligent system design. Gained experience in developing AI applications during an internship at Bharat Electronics Limited (BEL), focusing on scalable AI pipelines for real-world challenges. Currently preparing for software and AI-related placement opportunities.

WORK EXPERIENCE

AI Intern — Bharat Electronics Limited (BEL), Bangalore   2025

- Developed a hybrid AI document summarization system for defense and government.
- Implemented automatic model switching based on internet availability for reliability.
- Integrated OCR to extract text from scanned PDFs.
- Used chunking strategies to handle large documents exceeding AI model limits.
- Converted tabular PDF data into clear textual summaries to maintain key information.

Created a user-friendly interface for non-technical users to upload documents and generate summaries.

PROJECTS

- **Enterprise AI Document Summariser:**
    Created an offline AI pipeline for summarizing large documents using OCR, chunk-wise summarisation, and summary aggregation, suitable for restricted environments.
- **Chronic Kidney Disease & Diabetes Prediction (ML Web App):**
    Developed a Flask-based ML app with high prediction accuracy, enhancing healthcare accessibility.
- **Early Disease Detection in Plants (CNN Project):**
    Trained CNN models to classify plant leaf diseases, showcasing deep learning in agricultural technology.

EDUCATION

Integrated M.Tech in Artificial Intelligence

Vellore Institute of Technology (VIT), Bhopal   **2022-Present**
- CGPA: 8.06 / 10 (Till Date)

Class XII: 87%   **2021-2022**
Class X: 86%   **2019-2020**

ADDITIONAL INFORMATION

- **Technical Skills:**
    - Programming: Python, Java, SQL
    - AI/ML:Machine Learning, Deep Learning, CNNs, NLP
    - Libraries & Tools:TensorFlow, Scikit-learn, OpenCV, Pandas, NumPy
- **Certifications:**
    - Applied Machine Learning with Python – Coursera
    - Cloud Computing – NPTEL
        Getting Started with AI & ML – LinkedIn Learning