

Srijani Das

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Education

Vellore Institute of Technology (VIT), Chennai
B.Tech in Computer Science and Engineering
CGPA: 9.11

Chennai, India
July 2024 – June 2028 (Expected)

Technical Skills

- Programming Languages:** Python, C++, C, Java, JavaScript, SQL
- Web Development:** HTML, CSS, REST APIs
- Data Structures & Algorithms:** Arrays, Linked Lists, Stacks, Queues, Trees, Graphs
- Tools & Platforms:** Git, GitHub, VS Code, Jupyter Notebook, Google Colab, Streamlit

Projects

Plant Disease Detection using Deep Learning

May - August 2025

- Conducted research on automated plant disease detection using deep learning under faculty supervision.
- Implemented and compared CNN, Vision Transformer (ViT), and hybrid ViT+CNN architectures for multiclass classification on the PlantVillage dataset, achieving ~99% accuracy.
- Applied Grad-CAM visualizations to interpret model predictions and enhance explainability.
- Tech Stack:** Python, TensorFlow, Keras, NumPy, Matplotlib, Google Colab

Voice Notes Summarizer

September 2025

- Built a local Python application that transcribes audio files and generates AI-powered summaries at multiple detail levels (short, medium, detailed).
- Implemented privacy-focused architecture with all processing performed locally using Whisper for speech-to-text and BART for summarization.
- Developed user-friendly Streamlit interface with downloadable transcript and summary export functionality.
- Tech Stack:** Python, Streamlit, OpenAI Whisper, HuggingFace BART, PyTorch

Job Board Platform – Full-Stack Web Application

November 2025 - January 2026

- Developed full-stack job board platform for recruitment consultancy with admin panel for job management.
- Built RESTful API backend using Node.js with SQLite database for CRUD operations on job postings.
- Implemented secure authentication and responsive frontend using HTML, CSS, and JavaScript.
- Tech Stack:** Node.js, SQLite, HTML, CSS, JavaScript, REST APIs

Coursework

- Data Structures and Algorithms, Object-Oriented Programming, Operating Systems