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| +91 8754960600|jebaselvanandrew@gmail.com |<https://www.linkedin.com/in/jebaselvanandrew/> | <https://andrew-portfolio-ruby.vercel.app/> |

JEba Selvan Andrew P

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| Objective |  | Machine Learning Engineer skilled in Python, AI model development, and data-driven problem solving. Experienced in building ML pipelines, training large language models, and developing AI-powered applications. Seeking to apply strong algorithmic, data analysis, and deployment skills to deliver innovative AI solutions |
| Skills & abilities |  | **Technical Skills**   * **Machine Learning**: Model training, evaluation, hyperparameter tuning * **Python & ML Libraries**: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn * **Deep Learning**: PyTorch, TensorFlow * **Natural Language Processing**: LLaMA, transformers, tokenization, LoRA fine-tuning * **Data Handling**: SQL, NoSQL, data preprocessing, feature engineering * **Version Control & Deployment**: Git, Flask, REST APIs * Quantum Computing (IBM Qiskit) * Speech Recognition (Vosk) * Agile Methodologies |
| Projects |  | **AI Voice Assistant** *(2025)*   * Developed a **Flask-based AI assistant** integrating **Vosk** for speech recognition and **LLaMA 3** for text generation. * Optimized model inference with **llama-cpp-python** for low-latency responses.   **Rubik’s Cube Solver (SECS++ V5.1) (2025)**   * Designed a heuristic, phased solver using Python for a flat-dictionary cube representation. Implemented custom move application logic and looped solving phases. |
| Education |  | **B.E (Artificial Intelligence And Data Science)** – (2022 – 2026)  Hindusthan Institute of Technology, Anna University ( pursuing 7th semester) – 7.9\* CGPA  12th Mahatma Mont,Mat,Hr,Sec,School –(2021 – 2022) 83.3% |
| Certifications & Awards |  | **Basics Of Geo Spatial Data Analysis** – North Eastern Space Application Centre Meghalaya (Department Of Space Government Of India)  **NCC Cadet Sargent** – Hindusthan Institute of Technology (Apr 2023 – Mar 2026) |
| Languages Known |  | English – Reading, Writing, and Speaking  Tamil – Reading, Writing, and Speaking |



DATE : 04-08-2024

PLACE: Coimbatore **(Jeba Selvan Andrew P)**