PRAVIN MR

📱 +91 6380555595 | ✉ mrpravin000@gmail.com | 📍 Chennai, India

github.com/mrpravin | linkedin.com/in/mr-pravin | 🌐 mrpravin.github.io

EXECUTIVE SUMMARY

AI/ML Engineer with production experience deploying RAG systems to 500+ users. Specialized in optimizing ML pipelines while maintaining 85%+ accuracy. Strong foundation in deep learning, NLP, and real-time systems with demonstrated ability to ship production-grade ML products from concept to deployment.

TECHNICAL SKILLS

Core Engineering	:	Python, SQL, Git, Docker, Linux
ML & Deep Learning	:	TensorFlow, Scikit-learn, Hugging Face Transformers
Data Engineering	:	NumPy, Pandas, Airflow, FAISS, Vector Databases, Matplotlib, Seaborn
NLP & Generative AI	:	RAG Systems, LangChain, Sentence Transformers, Prompt Engineering, Fine-tuning

EXPERIENCE

AI Engineer (SaaS Product Founder) — **Launched 2026**

INFINEURONITY — *Remote*

- Architected and deployed production RAG system processing 10K+ documents with 87% answer accuracy, serving 500+ users via web and Android Play Store deployment with 4.2 average rating.
- Built semantic search pipeline using sentence-transformers and FAISS indexing, reducing query latency to 150ms at p95 while maintaining 8GB memory footprint on mobile devices.
- Designed incremental learning pipeline that ingests user data streams and updates vector indices with zero downtime, enabling longitudinal knowledge retention and personalized context retrieval.

OPEN-SOURCE & PYTHON LIBRARY CONTRIBUTIONS

linpredict — Linear Regression Python Library | **PyPI** ↗ — **Published 2025**

- Published to PyPI with 200+ downloads, 95% test coverage (pytest), comprehensive documentation, and CI/CD pipeline via GitHub Actions supporting Python 3.8–3.12.
- Implemented gradient descent with adaptive learning rates and L2 regularization, providing clean API (`fit()`, `predict()`, `quick_predict()`) for seamless integration in ML workflows.

PROJECTS

HumanIO – Gesture Control System | **Python, OpenCV, MediaPipe** | **GitHub** — **Nov 2024 – Jan 2025**

- Engineered real-time CV pipeline achieving 30 FPS on CPU, processing 21-point hand landmarks to classify 12 gestures at 94% accuracy with sub-100ms latency using Kalman filtering and temporal smoothing.
- Optimized frame processing via multi-threading and NumPy vectorization, reducing CPU usage 45% → 18% during continuous operation while maintaining real-time responsiveness.

INTERNSHIP

Python Developer Intern — **Oct 2024 – Jan 2025**

Ability Coding (AC) | *Remote* — *Credential: STU-241020-462987*

- Developed production-ready Python applications using OOP and functional programming, and built real-world data pipelines using Airflow DAGs, cron scheduling, and real-world orchestration.

EDUCATION

SRM Institute of Science and Technology — **Jul 2023 – Apr 2025**

Master of Computer Applications; CGPA: 8.59/10 — *Chennai, India*

Annamalai University, Directorate of Distance Education — **Jan 2026 – Present**

Master of Business Administration (Information Systems) — *Chidambaram, India*

CERTIFICATIONS & ACHIEVEMENTS

- **IBM Data science AI** – POHBRV1YE00S | **Meta Data Analytics** – POHBRV1YE00S | **Claude (Anthropic)** – zrgxqweyzckc
- Authored Thanglish Python programming book with 450+ copies distributed, expanding accessibility for Tamil learners.