ABINANDIDA R

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🌐 abinandidaportfolio.netlify.app

Summary

AI & Data Science enthusiast with experience in building ML-powered systems from concept to delivery. Skilled in Rapid Prototyping, RAG systems, Linux automation, and scalable backend development. Strong leadership skills gained through mentoring interns and coordinating tech teams. Focused on innovation and solving real-world challenges through responsible, secure, and data-driven AI.

Education

Anna University Regional Campus, Coimbatore   **2022 – Present**
B.Tech in Artificial Intelligence and Data Science   *CGPA: 7.8/10*

Sethu Irani Matric Hr. Sec. School, Sivaganga   **2022**
12th — PCM   *94.17%*

Technical Skills

Programming: Python, JavaScript, SQL, Bash
ML/AI: Machine Learning, NLP, RAG, Time-Series Forecasting
Frameworks: FastAPI, Scikit-learn, TensorFlow, PyTorch, Next.js
Tools: Git, Linux, Firebase, Tableau, Power BI, Jupyter, Excel

Projects

AI-Powered Geospatial Crisis Monitoring Dashboard   **2025**
Next.js 14, Mapbox, NLP, ML

- Developed interactive dashboard with geospatial alerts using NLP feed classification and ML forecasting.
- Simulated 85% accuracy in predicting hospital bed demand for resource planning.
- Designed real-time filtering UI for improved situational awareness.

GerontoVoice – Voice-First AI Simulator for Elderly Care Training   **2025**
React, FastAPI, Mistral, RAG, LoRA

- Created AI personas for elderly communication training, improving scenario diversity with 800+ dialogues.
- Integrated scalable backend with RAG + LoRA pipeline for future customization.

HealMate AI – Empathetic Health Assistant   **2024**
FastAPI, NLP, REST APIs

- Developed NLP-based assistant for health information with empathetic dialogue flow.
- Improved engagement by 30% via conversation refinement and API-based responses.

Internships

Data Science Job Simulation — British Airways (Forage)   **Jul 2025**
Remote

- Built sentiment classification model improving predictive reporting accuracy by 15%.
- Created visual recommendations for enhancing customer experience insights.

Analytics Job Simulation — Deloitte Australia (Forage)   **Jun 2025**
Remote

- Designed dashboards for highlighting anomalies and financial risk patterns.
- Developed data validation logic improving detection of forensic inconsistencies.

Machine Learning Intern — Infosys Springboard   **Nov 2024 – Jan 2025**
Remote

- Time-series stock forecasting pipeline achieving 88% accuracy with rigorous evaluation.
- Led 25+ interns in task coordination and Linux troubleshooting improving productivity.

Data Science Intern — Intrnforte   **Sep 2024 – Nov 2024**
Remote

- Developed ML feature pipeline reducing preprocessing effort by 30%.
- Improved model accuracy through algorithm experimentation and tuning.

Web Developer Intern — AURCC   **Aug 2024 – Sep 2024**
Coimbatore

- Built official website pages with Vue.js and Tailwind with improved performance.
- Structured JSON workflows enabling quick non-tech content updates.

Achievements & Hackathons

- **Smart India Hackathon 2025** — NTRO Finalist
- **AsterHacks 2025** — Asters Achievement Award
- **EY Techathon 6.0** — Round 2 Shortlisted
- **Unstop Talent Park 2025** — Round 2 Achieved

Certifications

- Neural Networks and Deep Learning — DeepLearning.AI (Sep 2025)
- Professional Data Science — IBM (Mar 2025)
- AI, Data Science & Generative AI — Infosys Springboard (Aug 2024)
- AI/ML for Geodata — IIRS (Oct 2024)
- Journey to Cloud — IBM (Sep 2024)
- Data Science — Intrnforte (Nov 2024)

Languages

English (Fluent), Tamil (Native)

Extra-Curricular

- DGATE Cell Member — Digital automation initiatives
- Captain — College Chess Team
- Athlete — Short Sprint Events