Vanshaj Awasthi

Full-Stack AI Engineer

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Summary

Full-Stack AI Engineer at Evonix Technologies, Pune. 17 peer-reviewed papers and 2 IEEE Best Paper Awards.

Skills

Software Engineering: React, Next.js, Node.js, TypeScript, Python
Backend & Data: PostgreSQL, Supabase, Supabase Edge Functions, Redis
AI Engineering: OpenAI API, Natural Language Processing (NLP), Retrieval-Augmented Generation (RAG), Embeddings, Vector Databases, AI Agents, PyTorch
Cloud & Infrastructure: Amazon Web Services (AWS), Railway
Application Engineering: Authentication, OAuth, Role-Based Access Control (RBAC), Payments

Experience

Full Stack Software Developer | Evonix Technologies | Pune, India | Jan 2026 - Present
- Own production and client-facing applications, from APIs and auth to database design
- Integrate OpenAI APIs, RAG, embeddings, vector databases and AI agents into products
- Ship on PostgreSQL and Supabase Edge Functions, deployed to AWS and Railway

Software Developer (Intern) | Evonix Technologies | Pune, India | Jul 2024 - Jan 2026
- Built and shipped production features across frontend, backend and APIs
- Built AI chatbot conversation features on PostgreSQL and Supabase
- Earned a full-time offer, starting January 2026

AI/ML Lead | Google Developer Groups On Campus, Amity University Mumbai | Sep 2024 - Jul 2025
- Led a 170-member AI/ML community at Amity University Mumbai
- Delivered around 20 AI/ML training sessions
- Organized 4 technical competitions and mentored members

Software Developer (Intern) | Cufront Healthcare Technologies | Pune, India | May 2024 - Nov 2024
- Built software in Python, including computer-aided design (CAD) tooling

Projects

Ask my portfolio: a streaming AI assistant grounded in my records
- Built a streaming Gemini assistant for vanshajawasthi.online on Vercel serverless, with KV-backed rate limiting

AI-Powered RAG Chatbot & Application Platform
- Vector-embedding retrieval, function-calling agent tools, and OAuth, role-based access and payments on Supabase.

Alzheimer's Disease Diagnosis & Progression Modeling
- 97.31% diagnosis accuracy on ADNI + OASIS, and 98.2% progression accuracy on 2,149 ADNI scans.

Education

Bachelor of Technology in Computer Science | Amity University Mumbai | Mumbai, India | Jul 2022 - Apr 2026
- 9.36 CGPA | Minor in Business Management

Publications

17 peer-reviewed papers: 10 with IEEE, 6 with Springer and 1 with ETASR, mostly machine learning for medicine. 2 of them won IEEE Best Paper Awards. Full list: vanshajawasthi.online/research

Awards

- Best Paper Award, Track 6, IEEE ICETET-SIP 25, G.H. Raisoni College of Engineering, Nagpur (2025), for "Reinforcement Learning and Spatio-Temporal GNNs for Alzheimer's Disease Progression Prediction with VAE-Based Data Imputation"
- Best Paper Award, IEEE 4th International Conference on Sustainable Energy and Future Electric Transportation 2024, for "Analysis and Impact of Electromagnetic Field Leakage in Wireless Power Transfer on the Central Nervous System: A Neural Network Approach"

Certifications

Machine Learning Specialization - DeepLearning.AI / Stanford University; AWS Cloud Technical Essentials - Amazon Web Services (AWS); Generative AI: Introduction and Applications - IBM; Generative AI: Foundation Models and Platforms - IBM; Generative AI: Prompt Engineering Basics - IBM; Neural Networks and Deep Learning - DeepLearning.AI; Introduction to Data Engineering - DeepLearning.AI & AWS; Migrating to the AWS Cloud - AWS