Jeet Shah

Seeking Summer 2027 AI/software engineering internship (May–Aug) · New York, NY

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Education

Columbia University *Sep 2026 – Expected Dec 2027*
M.S. Computer Science, Network Systems Pathway · New York, NY
Teaching Assistant, COMS2702 (AI in Context), Fall 2026.

FLAME University *Aug 2021 – May 2025*
B.Sc. (Hons.) Computer Science; PG Diploma in Interdisciplinary Studies · Pune, India
GPA: 3.77/4.00 (Scholaro U.S. evaluation; CGPA 8.9/10). Merit scholarships: 25% and 60% of tuition.
Completed coursework: Natural Language Processing, Advanced Machine Learning, Applied Multivariate Statistics.

Engineering Experience

Columbia Software Solutions *Oct 2026 – Present*
Software Engineer · Student organization, New York, NY

- Building a free martial-arts class aggregator for Santa's Knights using Next.js and Supabase.

Voltek AI *Oct 2024 – Aug 2026*
Software Engineer (Part-time)

- Built the Next.js orchestration layer for a battery-research assistant supporting OpenAI, Anthropic, Gemini, and xAI, with internal-document retrieval, web search, citations, streamed responses, and chat history.
- Led frontend development for an internal battery-research platform used by 10–100 Nanoloy users.
- Replaced join-heavy PostgreSQL process storage with three indexed tables, transactional writes, and validated backfills; reduced observed material-query latency from 3–20 seconds to under 500 ms.
- Co-maintained NDAX and Neware instrument-data ingestion pipelines with file reconciliation and defensive parsing.

Elevate Fitness *Dec 2025 – Aug 2026*
Software Engineer (Part-time)

- One of two engineers who owned Movynn end to end: a React Native/Expo and Convex fitness app published on the Apple App Store and the Google Play Store in India, including Razorpay payment reconciliation, native Apple Sign-In, automated tests, and CI checks.

AI-Assisted Engineering

Nilakan Programming Language Documentation & Playground

- Owned codebase design and co-designed the language with Prof. Aamod Sane; 45k+ lines of TypeScript across 450+ commits, including parser, static checks, interpreter, CLI, and browser playground.
- Built with Codex and Claude Code through T3 Code; reviewed generated code and wrote/curated the test suite (80+ test files, including Playwright browser tests).

Machine Learning Research

Centre for Interdisciplinary AI, FLAME University *Jan 2024 – May 2025*
Research Assistant

- Co-developed ConvGRU, conditional-GAN, and ConvLSTM training pipelines and satellite-data ingestion tooling; administered a multi-user GPU server with isolated training environments.
- Co-authored two Weather4Cast arXiv preprints; team kaubega placed first on the 2024 core-challenge leaderboard and second in the 2025 cumulative-rainfall task.

INSAT-3D Precipitation Nowcasting Thesis & code

- Built ConvLSTM training and evaluation pipelines; optimized data loading and GPU memory use under limited compute; reduced six-hour forecast RMSE by 30.7% against a Lucas–Kanade optical-flow baseline.

Technical Skills

LLM applications: OpenAI, Anthropic, Gemini, and xAI APIs; retrieval-augmented generation; streamed responses.
AI-assisted development: Claude Code, Codex, T3 Code; planning, implementation, and review with coding agents.
Languages and frameworks: TypeScript, Python, SQL; Next.js, React, React Native, FastAPI, Pydantic, PostgreSQL, Supabase.
ML and testing: PyTorch, TensorFlow/Keras, scikit-learn; Vitest, Playwright, pytest; GitHub Actions, Docker.