Satvik Verma

PRODUCT- DRIVEN SOFTWARE ENGINEERING GENERALIST

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EDUCATION

- M.S. Computer Science, San Francisco State University | May 2025

TECHNICAL SKILLS

- **Languages** Python, C++, TypeScript, C, JS, SQL, Bash
- **Backend** NestJS, REST APIs, Microservices boundaries, Prisma ORM, Postgres, Redis, Webhooks,
- **Technologies** WebRTC/LiveKit, React Native, Expo/EAS, Terraform, Azure Container Apps, GitHub Actions CI/CD
- **AI/ML** LLM/RAG (LangChain concepts), MCP, multi-agent orchestration patterns, feature ranking, CV/NLP evaluation; HPC exposure (NERSC Perlmutter)

SUMMARY

Product-driven founding engineer who ships 0→1. Led the execution sprint that launched Xuman.AI on the App Store in ~3 months with a lean team of two, owning the full stack end-to-end: mobile, backend, cloud infrastructure, payments, real-time video, and key integrations. Strong at rapid iteration, production hardening, and translating requirements into reliable systems.

EXPERIENCE

Xuman.AI - Founding Engineer / Product & AI Lead (0→1) Aug 2025 – Present San Francisco, CA

- Took Xuman from concept → production: shipped iOS app live on the App Store; Android release in progress.
- Led a team of up to 8 engineers across mobile, backend, and infra; owned sprint planning, task breakdown, code reviews, and release coordination.
- Owned end-to-end architecture: React Native (Expo) mobile client, NestJS services, Postgres/Prisma data layer, Redis caching/queues, and Azure deployments.
- Drove hiring and team scaling: interviewed engineers, and partnered with the founder on roadmap + business tradeoffs.
- Built booking lifecycle (discovery → scheduling → payment → session → feedback), hardening edge cases through rapid iteration and production incident triage.
- Set up CI/CD and release engineering: EAS build profiles (staging/prod), env management, and staged rollouts for reliability.

Style.AI - Founder & Software Engineer Jan 2025 – Aug 2025 San Francisco, CA

- Built an AI fashion assistant using LLMs + computer vision; shipped iterative prototypes focused on wardrobe intelligence and outfit recommendations with the long term idea to have that technology in mirrors in retail stores and ecommerce.
- Designed data flows for user wardrobe capture, catalog normalization, and recommendation logic; validated product direction through rapid user feedback.

San Francisco State University - Researcher Feb 2024 – June 2025 San Francisco, CA

FusionML

- Developed ML surrogate models for predicting plasma behavior in fusion tokamak devices; collaborated across research stakeholders.
- Built evaluation pipelines (error metrics, ablations, variance analysis) and improved performance via feature ranking and tuning; ran experiments on HPC resources.

IoT Security

- LLM/RAG-based IoT attack detection using feature ranking and knowledge-base prompting; evaluated on public IoT datasets.
- Authored and presented research accepted at AAAI Spring Symposium (GenAI@Edge) and IEEE DSAA-SF Student Forum.

PUBLICATIONS & RECOGNITION

- AAAI Spring Symposium Series (Accepted, 2025): Intelligent IoT Attack Detection on Edge Devices using LLMs
- IEEE DSAA-SF (2024): Research proposal accepted/presented
- SF Hacks (2024): Best GenAI Hack winner