

Sanchit Arora

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SUMMARY

Software Engineer and UW graduate student with 4+ years building production AI tools, full-stack systems, and high-availability infrastructure. Owns the product lifecycle from LLM-driven CLI tools to Tier-1 financial systems, focusing on developer productivity and operational reliability at scale.

EDUCATION

University of Washington Seattle, WA, USA
Master of Science, Information Management; GPA: 3.98/4 Sep. 2025 – Jun. 2027 (expected)
Specializations: Artificial Intelligence, Product Management.
Courses: Implementing & Managing GenAI Systems, Product Strategy & Leadership, Cloud Computing & AI.
Honors & Service: Tolo Scholar, Tapia Scholar; Reader & Grader for 6 iSchool graduate courses.

Manipal Institute of Technology Manipal, India
Bachelor of Technology, Information Technology; GPA: 3.7/4 Jul. 2017 – Jun. 2021
Minor: Big Data. Coursework: Machine Learning, Distributed Systems.

SKILLS

Languages: Python, Java, JavaScript/TypeScript, SQL, C++, Shell Scripting
Backend/Frontend: Django, Flask, FastAPI, Next.js, React, REST, OAuth
AI Systems: Azure AI Search, Microsoft Foundry, RAG, LangChain, Transformers, Claude Code, Codex
Cloud/Platform: Azure, AWS, Docker, Kubernetes, Git/GitHub/GitLab, CI/CD, Splunk, AppDynamics
Reliability: Monitoring, Incident Management, Automation, ServiceNow (ITSM), BigPanda, Unix/Linux
Development Practices: Agile, Code Review, Unit Testing, System Design, SDLC

EXPERIENCE

TestSprite | TypeScript, Python Seattle, WA, USA
Software Development Intern Jun. 2026 – Present

- Shipped end-to-end AI test generation in the TestSprite CLI, connecting terminal and web workflows so 70% of authenticated developers could generate, debug, and run tests from the command line.
- Fixed a project-creation failure blocking 33% of new developers, restoring reliable first-run onboarding.
- Standardized CLI error handling, structured outputs, and exit codes for headless CI/CD and autonomous AI agents.

UBS | FastAPI, LangGraph, React Pune, India
Software Engineer (Platform & Reliability) Jul. 2021 – Aug. 2025

- Architected and deployed LLM-powered AutoFlow using FastAPI, LangGraph, and React to generate production Amelia workflows from natural language, reducing setup time by 95%.
- Built an Azure AI Search RAG chatbot indexing 20K incident records for automated live diagnosis and resolution.
- Built config-driven Splunk/AppDynamics dashboards for 200+ microservices, cutting incident MTTD by 40%.
- Automated 20+ recurring incident types and workflows in Amelia, saving 200+ engineering hours monthly.
- Maintained a 99.8% uptime SLA across 5 Tier-1 collateral apps processing \$10B+ in daily transactions.

UBS | ARIS, SWIFT Pune, India
Group Technology Intern Mar. 2021 – Jul. 2021

- Designed 20 SWIFT processing workflows in ARIS to standardize and digitize operations procedures for automation.

PROJECTS

Generative Sign Language | Python, FFmpeg | *GitHub* Jan. 2026 – Present

- Built an AI prototype generating sign-language overlays for YouTube videos to support Hard-of-Hearing viewers.
- Built FFmpeg pipelines to dynamically sequence and stitch sign-language clips into video overlays.

Global Personal Cloud | TrueNAS, NGINX | *Overview* Feb. 2025 – Present

- Eliminated single points of failure in a TrueNAS cloud through mirrored storage pools and hardware redundancy.
- Designed cross-continent NGINX routing with active read/write splitting across two nodes to reduce latency.
- Deployed full-stack apps and databases through GitHub CI/CD; managed host infrastructure and secure tunnels.

CERTIFICATIONS

UBS Certified Engineer – Software Engineer, *UBS* Jun. 2025
Microsoft Azure Cloud Fundamentals (AZ-900), *Microsoft* Jun. 2025
Microsoft Azure AI Fundamentals (AI-900), *Microsoft* Nov. 2024

AWARDS AND RECOGNITION

Investment Round Finalist, *Dempsey Startup Competition* Apr. 2026
Runner-Up, *UW AIMS Product Competition* Feb. 2026
Quarterly Star Award, *UBS* Apr. 2023