

Pranav Varshney

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EDUCATION

University of Michigan	Dec 2026
B.S. Computer Science	Ann Arbor, MI

EXPERIENCE

Plaid	May 2026 - Aug 2026
Software Engineering Intern	New York, NY

- Incoming Summer 2026 intern working on end-to-end backend infrastructure under Customer Foundations

Uber	Jan 2026 - Apr 2026
Software Engineering Intern	San Francisco, CA

- Incoming Winter 2026 intern working on machine learning optimizations for rideshare recommendation systems

Scale AI	July 2025 - Oct 2025
Generative AI Intern Eval Pipelines	Remote

- Developed a retrieve and rerank RAG pipeline to automate LLM inputs for data annotation via candidate filtering
- Built a high-throughput benchmark system to score 8K+ model responses daily, reducing 60% annotation errors
- Created an LLM-as-a-judge system alongside adjudication measures to improve data labeling correctness to 96%

Amazon Web Services	May 2025 - July 2025
Software Engineering Intern Sagemaker	Bellevue, WA

- Created a Go-based CLI for mapping 1M+ SageMaker endpoints to adjacent AWS Services for troubleshooting
- Developed a real-time system health monitoring framework, yielding an on-call response time reduction of 70%
- Built containerization tooling for audit systems through AWS copilot, enabling support over 10,000 queries/wk

University of Michigan	Aug 2024 - Dec 2024
Instructional Assistant Python Programming	Pontiac, MI

RESEARCH

Precision Imaging × AI Laboratory Prof. Joyce Wang	Oct 2025 - Present
• Engineered models for automated segmentation of cardiac chambers and quantification of ejection fraction	

- Building a standardize CVD diagnosis platform, targeting interoperability with portable ultrasound devices

Self Operating Networks Laboratory Prof. Victor Liu	Jan 2025 - May 2025
• Designed AST-aware transformer using constrained attention mechanisms, achieving 92% code generation accuracy	

- Designed contrastive learning pipeline for automated dataset expansion, increasing training samples by 250%

PROJECTS

Cvrve	
• Sold at 7 figures; helped develop the infrastructure observability behind <u>job board</u> (prev. cvrve) used by 100k+	

- Sharded Key-Value Store** | Go, Paxos, Concurrency
- Built a fault-tolerant, sharded key-value store using Paxos for consensus and coordination between replica groups
 - Implemented dynamic reconfiguration to safely transfer shards between replica groups during changes in topology

SKILLS

Languages: Python, C++, Go, Java, C#, Typescript, Javascript, SQL

Technologies: Docker, Flask, Next, React, Node, Express, Tailwind CSS, Pandas, NumPy, Plotly, Sci-kit Learn

Concepts: Full-Stack Development, Mobile Development, Cloud Computing, Parallel Programming, Machine Learning, NLP, Computer Vision, Data Analytics, Big Data, Embedded Systems, Quantum Computing, Computer Security, Linux