

Aman Sriven

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EDUCATION

Texas A&M University

College Station, TX

Bachelor of Science in Computer Science, Minor in Math

May 2028

Coursework: Computer Architecture, Software Engineering, OOP, Data Structures & Algorithms **GPA: 3.84/4.00**

EXPERIENCE

Humana

May 2026 – August 2026

Software Engineering Intern

Louisville, KY

- Architected a distributed AI gateway routing 450K+ requests/day on Azure Kubernetes via Envoy, Helm, ArgoCD
- Secured internal APIs behind MCP servers with per-user tool scoping; tool-selection accuracy 68% to 89%
- Rebuilt RAG ingestion, embedding, and ranking Spark pipelines on Databricks Delta Lake; retrieval recall up 40%

Jaggaer

June 2025 – August 2025

Artificial Intelligence Engineering Intern

Durham, NC

- Engineered a Python retrieval and orchestration agent over a 4M+ supplier corpus; cut procurement cycle time 40%
- Raised supplier-matching and classification accuracy 25% over rules-engine baselines on 10,000+ labeled examples
- Automated model training, retraining, and inference pipelines over a vector search index in GitHub Actions CI

Texas A&M University

December 2024 – May 2025

Undergraduate Researcher

College Station, TX

- Developed an ensemble PyTorch classifier detecting 11 security vulnerability classes in 100k+ smart contracts
- Paired residual connections and multi-head attention with adaptive focal loss, reaching 94–96% balanced accuracy
- Beat published benchmark F1 of 0.88 across all 11 vulnerability labels; won 1st of 40 at 2025 research symposium

PROJECTS

Delta Code | Python, FastAPI, PostgreSQL, Next.js, TypeScript

July 2026 - Present

- Shipped a full-stack Dependabot-style API checker diffing base and PR behavior to block breaking changes
- Integrated GitHub Apps with webhooks, token checkout, and Check Runs on a queued PostgreSQL backend worker
- Layered LLM test-case generation and reviewer-facing explanations; cut median time-to-close 30% across 50+ PRs

Odyssey AI | Python, Google ADK, FastAPI, MongoDB, React, TypeScript

June 2026 – July 2026

- Delivered a 9-agent LLM pipeline triaging denied healthcare claims and auth gaps; won 1st at Humana hackathon
- Demoted the solvability router from an LLM call to deterministic code so agents explain findings, not decide facts
- Serialized six concurrent tool calls from two parallel agents, trading 5s of latency to clear Vertex AI rate limits

Ahvaan | React Native, TypeScript, Node.js, Firebase, Redux

August 2025 – December 2025

- Launched a customer-facing iOS and Android RSVP app with phone-number auth and calendar sync for 600+ users
- Designed a secure Node.js REST backend routing invites to push, WhatsApp, or SMS without exposing contacts

Ocean Robotics Submarine | Python, PyTorch, OpenCV

August 2024 – December 2025

- Fused camera, sonar, and IMU inputs into a real-time OpenCV perception pipeline for an autonomous submarine
- Trained a PyTorch vision model for obstacle detection to 50 ft, feeding live signals into the submarine control loop

LEADERSHIP & INVOLVEMENT

Sinn Fund, Aggie Investment Club

January 2026 – Present

Quant Trader

College Station, TX

- Led 6 engineers on a Python/C++ backtester over 2M+ market events per run; cut runtime 73% via vectorization
- Streamed 10K+ market updates/second into a paper-trading engine at sub-50 ms with automated risk checks

Aggie Coding Club

August 2025 – Present

Software Engineer

College Station, TX

- Contributed to Maroon Rides, a SvelteKit/Capacitor transit app for the Texas A&M bus system, 5K+ downloads

TECHNICAL SKILLS

Languages: Python, C++, C, Java, TypeScript, JavaScript, SQL, Go, Solidity, HTML/CSS

Frameworks & Data: FastAPI, React, Node.js, Next.js, PyTorch, Spark, Delta Lake, MongoDB, PostgreSQL, Kafka

Cloud & Infrastructure: AWS, GCP, Azure, Databricks, Kubernetes, Docker, Helm, ArgoCD, CI/CD, GitHub