Shreyansh Misra

shrey.tech/

shreyansh@umass.edu
(413) 409-9781

EDUCATION

- **University of Massachusetts, Amherst** — Amherst, MA
  Bachelor of Science, Data Science and Mathematics — 3.5 GPA — *May 2026*
  - **Coursework:** Data Structures & Algorithms, Theory of Computation, Computer Systems, Databases, Artificial Intelligence, Machine Learning, Web Programming, Mathematical Modeling, Statistics.

EXPERIENCE

- **Siemens Digital Industries** — Boston, MA
  Customer Analytics Intern — *May 2025 - August 2025*
  - Built a professional services dashboard to visualize resource allocation and project KPIs, using ML models to predict staffing gaps 6 weeks in advance and cut contractor costs by 15% ($300K annually).
  - Deployed an ETL pipeline in Snowflake and Python processing 100M+ sales lead records across 500+ columns from multiple CRM platforms, enabling downstream ML models and LLM workflows.

- **Altair (acquired by Siemens)** — Chelmsford, MA
  Customer Success Intern — *May 2024 - April 2025*
  - Developed a real-time customer health dashboard tracking 16,000+ enterprise accounts across 12 health metrics, surfacing 200+ at-risk accounts monthly and reducing churn by 12% in Q1 2025.
  - Built a Python churn prediction model (scikit-learn, scikit-survival) achieving 95% accuracy in identifying at-risk accounts 90 days before renewal, enabling proactive outreach that saved $1.2M in ARR.
  - Analyzed 50K+ support tickets and usage patterns to recommend 5 product improvements, 4 of which were prioritized on the Q2 roadmap.

- **BUILD UMass (buildumass.com)** — Amherst, MA
  Co-President — *Feb. 2024 - Present*
  - Lead a 65+ member engineering organization delivering production software for non-profits, personally architecting an iOS/Android mobile app serving 5K+ volunteer nurses in low-connectivity zones.
  - Managed end-to-end delivery of 8 projects from roadmaps to launch, implementing Agile workflows, code reviews, and CI/CD pipelines that reduced release cycles from 5 weeks to 2 weeks.
  - Clients: MassPIRG, New England First Amendment Coalition, NCTDR, Aarti Home, STEMplore.

PROJECTS — GITHUB.COM/SHREYANSHMISRA

- **Clause (HackUMass Best AI Hack)** — Python, FastAPI, TypeScript, Snowflake, Gemini API
  - Developed an AI-powered contract management platform that detects illegal clauses in legal agreements with legal citations and damage estimates, reducing contract review time from 2 hours to 5 minutes.
  - Engineered a RAG-architecture with Next.js frontend, FastAPI backend, and Snowflake vector database for semantic search against state laws, 92% accuracy in violation detection across 500+ processed contracts.
  - Implemented production optimizations including Redis caching layer (40% cost reduction), rate limiting, and async processing (100+ concurrent contract analyses), deployed to 3 legal clinics for beta testing.

SKILLS

- **Languages:** Python, Java, TypeScript, JavaScript, SQL, R, C/C++, Swift, Kotlin.
- **Frameworks & Tools:** Git, AWS (S3, Lambda, EC2), Snowflake, Docker, PostgreSQL, MongoDB, Cassandra, Spark, Kafka, Airflow, dbt, PyTorch, React, Next.js, Node.js, FastAPI, GraphQL, Tableau, Power BI, Figma.
- **AI Tools:** Cursor, Claude Code, OpenAI Agent Builder, n8n, GitHub Copilot, v0.