Shreyansh Misra

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EDUCATION

- **University of Massachusetts, Amherst** — Amherst, MA
  Bachelor of Science, Informatics and Mathematics — *May 2026*
  - **Coursework:** Programming with Data Structures, Computer Systems, Databases, Human-Computer Interaction, Social Issues in Computing, Mobile Health Sensing, Statistics, Calculus III, Linear Algebra.

EXPERIENCE

- **Altair (acquired by Siemens)** — Chelmsford, MA
  Customer Success Intern — Data Analytics & AI Products — *May 2024 - Present*
  - Built a customer health dashboard monitoring 16,000+ enterprise accounts, visualizing their product usage, support tickets, and license renewal metrics.
  - Developed a Python-based churn prediction model using scikit-survival, identifying at-risk accounts and triggering email alerts that increased proactive customer outreach by 15%.
  - Established a real-time data pipeline integrating Salesforce, ServiceNow, Altair eLearning, and Hubspot APIs into a Postgres database; designed the dashboard UI using Panopticon.
  - Developed 5 proof-of-concept data solutions projects showcasing Altair products applied to customer use-cases, later featured in sales demos and AskTheExpert webinars.

- **BUILD UMass** — Amherst, MA
  Project Lead — *Feb. 2024 - Present*
  - Delivered a disaster response coordination app *Kapok* in iOS and Android, through a pro-bono collaboration with the National Center for Technology and Dispute Resolution.
  - Interviewed stakeholders (first responders, travel nurses) to identify user pain points, created an MVP roadmap, and conveyed the product vision to a team of 8 developers.
  - Led development of critical features (geolocation, interactive maps, dynamic markers) to ensure high-quality product deliveries through regular code reviews.

PROJECTS

- **Cardio Activity Classification using Sensor Data** — Python (scikit-learn, SciPy, pandas), SensorLogger
  - Designed a Decision Tree Classifier with an 89% accuracy in classifying various gym cardio activities from mobile phone sensor data (accelerometer, gyroscope).
  - Supervised data collection with 5 participants using SensorLogger to record movements, followed by data smoothing, labelling, feature engineering, and model evaluation.

- **AutoDocs LLM** — Python (LangChain, pandas), Streamlit UI, OpenAI API
  - Engineered a Code Documentation app that parses a code-base and generates technical documentation for it.
  - Implemented best practices such as Google Authentication, rate limitation, and CI/CD support.
  - 85+ API calls in its first month. Deployed with Streamlit at: autodocsapi.streamlit.app/.

SKILLS

- **Languages:** Python, R, SQL, Java, C, C++, TypeScript, JavaScript, Dart.
- **Tools:** Git, Tableau, Power BI, RapidMiner, Excel, ArcGIS, Figma, Sketch.
- **Interests:** Sports Analytics, Writing Wikipedia Articles, Data Science.