Aryan Tripathi

[LinkedIn](#) | atripa38@asu.edu | (206) 790-2033

Introduction

Senior at Arizona State University and 4+1 master's candidate in computer science (AI concentration), with hands-on experience in building distributed systems, cloud-native applications, AI tools, and API-driven workflows. Skilled in prompt engineering and foundational GenAI model fine-tuning, bringing an AI-first mindset to coursework, research, and projects. Experienced in designing and implementing AI/ML applications as well as developing scalable web and mobile applications.

EDUCATION

Bachelor of Science, Computer Science   **May 2026**

Ira. Fulton School of Engineering | Arizona State University, Tempe, Arizona   **3.73 GPA**

- Relevant coursework: Data Structures and Algorithms, Image Processing and Analysis, Applied Linear Algebra, Discrete Math Structures, Object-Oriented Programming, Mobile IOS App Development, Human Computer Interaction(UI/UX), Computer Network Security, Distributed Software Development, and Operating Systems.

MS, Computer Science (AI concentration) (4+1 Accelerated Program)   In *Progress, Expected* **May 2027**

TECHNICAL SKILLS

Languages & Core Tech: Python, JavaScript, Java, C++, C, C#, Swift, SQL, HTML/CSS, JavaFx
ML & Data / Backend: PyTorch, scikit-learn, NumPy, Pandas, Flask, Django, Node.js, React.js, RESTful APIs
Databases & Tools: MySQL, MongoDB, AWS (EC2, S3), Docker, Git/GitHub, Linux (Ubuntu), Figma, MATLAB

EXPERIENCE

Developer Intern   **May 2025 – Aug 2025**

[CRIBLIV](#): An AI-based real estate startup based out of Delhi, India

- Developed and optimized modular React/Next.js components and pages (NavBar, Rental, Profile, Inquiries, Login) to deliver responsive, user-friendly property management workflows.
- Implemented authentication workflows (email/OTP/phone verification) and integrated REST APIs for listings, inquiries, and saved properties, while enhancing UI/UX.
- Designed and deployed a chatbot for the website to handle property-related queries, integrating NLP models with the backend to improve customer support and engagement.

PROJECT EXPERIENCE

PDF-to-SQL Knowledge Extractor ([Git Link](#))   **July 2025- August 2025**

Python, Flask, SQLAlchemy, SQLite, PyPDF, PyMuPDF, Regex/NLP

- Engineered a pipeline to parse unstructured PDFs (bank statements) into structured SQL databases with queryable transactions, categories, and date ranges.
- Developed a Flask web app with CSV export, secure SHA-256 duplicate detection, and spend insights via merchant/month aggregation.

Finance Compliance NLP Chatbot ([Git Link](#)**)**   **August 2025 - Present**

Python, Streamlit, LangChain, Transformers (BERT), sentence-transformers, FAISS, scikit-learn, BeautifulSoup/Unstructured

- Built an end-to-end RegTech RAG chatbot for financial compliance: scraped & normalized regulations (Pandas/NumPy), chunked & embedded text (sentence-transformers), and delivered semantic search + Q&A with FAISS + LangChain, serving low-latency answers via the Groq API in a Streamlit UI.
- Implemented an ML/NLP pipeline to auto-tag obligations and trained scikit-learn classifier to auto-tag KYC/AML obligations; used Transformers for concise obligation summaries; performed data cleaning/wrangling, tracked experiments and metrics, and consumed REST/JSON APIs.

Peer-to-Peer Equipment Rental App (iOS) ([Git Link](#))   **March 2025 - May 2025**

Swift, MVVM Architecture, Firebase, Google Places API

- Co-developed an iOS app enabling secure rentals of equipment, integrating Firebase Authentication, scalable data flow, and real-time updates.
- Implemented GPS-based search and Google Places API for optimized item discovery, filtering, and pickup experiences.