

Dhruv Snehal Bhatt

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EDUCATION: Arizona State University, Tempe, Arizona

B.S. in Computer Science (Dean's List)

Jan 2023 - May 2026

RELEVANT COURSES: Data Structures and Algorithms, Artificial Intelligence, Natural Language processing, Linear Algebra, IOS mobile App development, Software Engineering, Cyber Security, Applied statistics, Distributed software development.

SUMMARY:

Production-focused Computer Science engineer specializing in building **LLM-powered applications, RAG-based systems, and cloud-native backends**. Experienced in designing end-to-end AI workflows—from data ingestion and prompt orchestration to deployment and monitoring—using Python and AWS. Strong foundation in algorithms, distributed systems, and applied statistics. Known for translating ambiguous problems into **scalable, reliable, and shippable software systems**.

TECHNICAL SKILLS (CURATED) [more skills listed here](#)

Languages: Python, TypeScript, JavaScript, Java, C, C++, C# (.NET)

AI / LLM Systems: LLM application development (OpenAI APIs), Prompt engineering, Retrieval-Augmented Generation (RAG), Semantic search, Embeddings, Hallucination control via context grounding

Backend & APIs: FastAPI, Flask, Node.js, RESTful API design, Webhooks (event-driven systems)

Data & Retrieval: FAISS (vector search), Document chunking & metadata pipelines, Weaviate (Vector Database)

Cloud & DevOps: AWS (Lambda, API Gateway, S3, DynamoDB, CloudWatch), Docker, Git, GitHub Actions

EXPERIENCES:

Memorial Union, Arizona State University: Guest Services Associate Supervisor June 2023 – August 2025

- Lead a 16-person Guest Services team across the Information Desk, Sparky's Den, and Lost & Found, coaching new staff and aligning coverage with peak traffic.
- Managed refund processes with accuracy and efficiency, ensuring customer satisfaction and adherence to company policies.
- Oversaw the Lost and Found system, maintaining detailed records and reuniting guests with lost items promptly.
- Delivered exceptional guest service by resolving inquiries and issues professionally, enhancing the overall customer experience.

Expandus Consulting Pvt. Ltd: IT intern

Feb 2021 - Jan 2023

- Migrated large datasets from Excel to PostgreSQL, improving data accessibility and reducing query response times by 30%, enabling faster decision-making.
- Designed RESTful APIs in Python, reducing manual data entry workload by 50% and increasing data retrieval speed by 40%.
- Collaborated with cross-functional teams to ensure seamless client data integration, improving system reliability, and enhancing service delivery by 25%.

PROJECTS

GitHub PR Review Assistant (*TypeScript, Node.js, GitHub App, OpenAI*) ([link](#))

- Built an event-driven GitHub App that analyzes pull request diffs on open/update events and generates high-signal review summaries and inline comments
- Implemented risk-focused analysis to flag security-sensitive changes, complex logic, API contract shifts, and missing or insufficient tests
- Designed review outputs to prioritize architecture, edge cases, and test coverage over boilerplate diffs, improving review consistency
- Automated posting of actionable feedback directly on PRs, reducing manual review overhead and triage time

ASU RAG-based LLM Information Chatbot (*Python, FastAPI, FAISS, OpenAI*) ([link](#))

- Built an end-to-end Retrieval-Augmented Generation (RAG) system over ASU-specific documents to answer institutional queries with grounded context
- Designed a document ingestion pipeline with chunking, metadata tagging, embedding generation, and FAISS-based semantic retrieval
- Generated LLM responses strictly from retrieved context to reduce hallucinations and ensure answer reliability
- Architected the system for rapid knowledge updates (add docs → re-index → improved answers) without model retraining

CERTIFICATIONS AND AWARD

- AWS Cloud Practitioner
- CFI Financial Modelling and Valuation Analyst
- NaMU Scholarship of \$58,000 (merit-based ASU Scholarship)
- Dean's List of High Achievers