

Prisha Nag

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Education

Arizona State University, Tempe, AZ Aug 2023 – May 2027 (Expected)
B.S. Computer Science, Data Science Minor **GPA: 4.1**
Relevant Coursework: Algorithms, Operating Systems, Databases, Software Engineering, Computer Systems, Machine Learning, Natural Language Processing

Experience

GoDaddy, Tempe, AZ | *Software Engineering Intern (Observability Platform)* May 2026 – Jul 2026
Tech: Python, FastAPI, Elasticsearch, Kibana, AWS, REST APIs, Pytest

- Designed and shipped production FastAPI REST APIs exposing Elasticsearch cluster health and Kibana SLO data through authenticated internal services, enabling engineering teams to programmatically monitor deployments.
- Engineered a backend service that combined paginated Kibana SLO responses with Elasticsearch aggregation queries to provide a unified real-time health view, implementing resilient error handling and scalable query logic.
- Developed secure tooling that automated Elastic Agent Builder MCP configuration generation, API credential provisioning, authentication, and version validation, reducing manual setup for internal users.
- Built an MCP server skill that let engineers query Elasticsearch index lifecycle management (ILM) policies and retention configurations through AI-powered workflows.
- Collaborated through multiple engineering code review cycles to improve API design, testing strategy, maintainability, and production readiness while authoring technical architecture documentation.

PrintPapa, Santa Clara, CA | *Software Developer Intern → Junior Software Developer* May 2023 – Jan 2026
Tech: Python, FastAPI, Flask, Node.js, Express, SQL Server, React

- Promoted from Software Developer Intern to Junior Software Developer after consistently delivering production software supporting manufacturing operations and business reporting.
- Built and maintained production internal software supporting operational workflows, reporting pipelines, and exception handling across multiple business systems.
- Developed RESTful backend services using FastAPI, Flask, and Express, implementing validation, pagination, authentication, standardized error handling, and consistent JSON APIs.
- Optimized SQL Server queries and stored procedures over large operational datasets, reducing investigation query time by **35%** while improving reporting accuracy.
- Improved production reliability through structured logging, debugging, and root-cause analysis, reducing recurring engineering support effort by approximately **25%**.
- Automated reporting and data validation workflows using Python, improving data quality while reducing manual operational effort.

Research & Projects

Behavioral Team Formation Platform | *Undergraduate Researcher, CoRAL Lab – Arizona State University* Jan 2026 – Present
FastAPI, React, PostgreSQL, OpenAI, LLMs

- Developing a full-stack AI-assisted team formation platform that evaluates behavioral traits through conversational LLMs and generates explainable team recommendations using optimization algorithms.
- Designing conversational AI evaluation pipelines emphasizing explainability, reproducibility, and behavioral reasoning; research submitted as an EMNLP 2026 Demo paper.

SentinelEdge | Python, FastAPI, React, XGBoost, Whisper, ONNX Runtime

- Built a privacy-preserving AI platform that detects phone scams in real time using on-device speech transcription, feature extraction, and XGBoost classification while ensuring user audio and transcripts never leave the device.
- Implemented federated learning with differential privacy for secure collaborative model updates; awarded **1st Place (AI Track)** at the Anthropic Claude Builder Hackathon.

Operational Analytics Dashboard | React, Python, SQL Server

- Developed a full-stack analytics dashboard with authentication, search, KPI visualization, and reporting tools to streamline operational insights for internal business users.

Awards

1st Place — GoDaddy Summer Internship Hackathon Jul 2026
Built an AI-powered web accessibility solution selected as the top project among 10 intern teams and presented to executive leadership, including GoDaddy's CEO.

1st Place (AI Track) — Anthropic Claude Builder Hackathon Mar 2026
Awarded for SentinelEdge, an on-device phone scam detection system.

Best AI Usage — Women in Computer Science Hackathon Apr 2026
Built embedding-based semantic search over case notes for CaseFlow, a nonprofit case-management platform (shared project).

Leadership & Activities

Women in Computer Science (ASU)

- Mentor freshmen and sophomores in Python, data structures, technical interviewing, and internship preparation.

Engineering Run Club (Founder)

- Founded and organize an engineering-focused running club that meets twice weekly and trains members for endurance races, including the Mesa Marathon.

Sun Devil Robotics Club

- Collaborate on robotics software and interdisciplinary engineering projects.

Robotics Coach — Dublin Robotics

Aug 2020 – Jun 2023

- Lead coach for VEX IQ teams; multiple teams qualified for state championships and national events.

Certificate of Merit (CM) Level 10 Piano

- Completed the program after more than 10 years of classical piano training.

Skills

Languages: Python, Java, C++, JavaScript, SQL

Frameworks & Libraries: FastAPI, Flask, Express, React, REST APIs, OpenAPI, scikit-learn, ONNX Runtime

Cloud & Infrastructure: AWS, Docker, Amazon Kinesis Firehose, Elasticsearch, Kibana, Observability, SLIs/SLOs, MCP

AI / Machine Learning: OpenAI API, Claude API, Whisper, XGBoost, LLMs, Prompt Engineering

Databases: PostgreSQL, SQL Server, MySQL

Testing: Pytest, Unit Testing, Integration Testing, API Testing, Mocking

Developer Tools: Git, GitHub, Linux, CI/CD, Swagger/OpenAPI