

Archana Chandran

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Education

University of Michigan, Ann Arbor

August 2022 – May 2026

B.S. in Computer Science, Minor in Business from Ross School of Business

GPA 3.75/4.0

Relevant Coursework: Advanced Operating Systems, Distributed Systems, Data Structures and Algorithms, Computer

Architecture, Web Systems, Cybersecurity, Discrete Mathematics, Foundations in Computer Science Theory, and Cryptography

Relevant Experience

Amazon

May 2025 – August 2025

Incoming Software Development Engineering Intern

Seattle, WA

CVS Health

May 2024 – August 2024

Security Architecture Intern and Developer

Hartford, CT

- Analyzed new security technologies during Proof of Concept (POC) phases, assessing against the NIST framework and devising over 50 architectural artifacts to aid architects in designing key concepts such as Multi-Factor Authentication, Web Application Firewall, Intrusion Detection System, Server and Device Certificate Management, and more.
- Developed and trained a chatbot deploying natural language processing techniques, using Flask and Node.js for backend, PowerBI for data storage, APIs for integration, and Power Automate for task automation.
- Assisted over 300 enterprise and solution architects by use of the chatbot in navigating the Security Architecture's repository of 150+ core control and reference artifacts, reducing search time by over 50%.

University of Michigan College of Engineering

August 2023 - Present

EECS 280 Instructional Aide, Student Events Lead

Ann Arbor, MI

- Instructed an interactive lab and created engaging lessons on foundational coding concepts such as data structures, object-oriented programming, testing, debugging, and computer science fundamentals for 30+ students each week.
- Designed and organized class-wide comprehensive exam review sessions and events to bolster success of over 1,100 students across 5 sessions per semester, in a total of 20 sessions throughout 4 semesters.
- Achieved innovative and diverse teaching practices and tailored office hours to student needs, resulting in a 20% increase in lab grades during Winter 2024, and a 97% approval rating from lab students across 3 semesters.

Project Experience

Organization Name

September 20xx – May 20xx

Position Held

Location

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Organization Name

Date

Position Held

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Skills

Languages: C++, C, Python, Java, JavaScript, CSS, HTML, R, Dart, Swift, x86-64 Assembly, ARM Assembly

Frameworks, Libraries, Tools: Flask, Flutter, PyTorch, TensorFlow, NumPy, Pandas, Firebase, Git, Node, React, Node.js

Technologies: Power Automate, PowerBI, Power Apps, Power Virtual Agents, Azure, UiPath, RESTful APIs, MySQL