

ATCHYUTRAM CHUNDRU

591 N Shaw Ln, East Lansing, MI | (517)-914-2658 | chundrua@msu.edu | [LinkedIn](#) | [GitHub](#)

EDUCATION

Bachelor of Science in Computer Science, Honors College, Michigan State University Aug 2023 – May 2027

Major GPA: 3.81/4.0 | Cumulative GPA: 3.88/4.0

Relevant Coursework: Data Structures & Algorithms, Probability & Statistics for Engineers, Matrix Algebra, Computer Systems, Computer Organization & Architecture, Discrete Structures, Software Design in Object Oriented Programming

SKILLS & TOOLS

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

AI/ML & Data: Azure OpenAI, LangChain, Pinecone, Ollama, Hybrid Retrieval (BM25 + Semantic), RAG Pipelines, PyTorch

Full Stack & Infrastructure: FastAPI, Podman, Flask, asyncio, REST APIs, Spring Boot, MySQL, Docker, pytest, CI/CD, Git

Cloud & Tools: AWS (Elastic Beanstalk, S3, CloudFront), Azure, Cloudflare R2, Postman

WORK EXPERIENCE

Incoming Software Development Engineer Intern

Sept 2026 – Nov 2026

Amazon Web Services (AWS) | Seattle, Washington

Application Development Intern

June 2026 – Present

Delta Dental of Michigan | Okemos, MI

- Developed an AI-powered enrollment upload feature for an enterprise level administration platform used by internal analysts, designing **object-oriented Python** services and bounded asynchronous concurrent processing (**asyncio**) that cut end-to-end extraction **latency** by over 95% (10–15 min → 30–40 s) on **high-volume** multi-family documents.
- Built modular backend services integrating **Azure Document Intelligence** and **OpenAI LLM-based** extraction into a **high-throughput** concurrent pipeline processing **large volumes of** enrollment data, unit-tested with **pytest**, with per-segment runtime telemetry and partial-failure isolation for production observability.
- Delivered features in an **Agile Scrum** team using **Jira**, **collaborating with project managers** and business stakeholders to translate requirements into scalable, production-ready solutions.

Evimr — Co-Founder & CTO

Sept 2024 – July 2026

Student Startup | East Lansing

- Architected a **student marketplace platform** using Java Spring Boot, REST APIs, and MySQL with service-oriented architecture, supporting hundreds of concurrent MSU users with **JWT authentication** and **WebSocket**-based real-time messaging.
- Led end-to-end **software architecture design** applying OOP design patterns (Factory, Composite), API orchestration, and modular service decomposition, improving platform maintainability and enabling efficient debugging and feature deployment.

Data Analyst Intern

June 2024 – July 2024

Appstek Corp | Hyderabad, India

- Built data pipelines using **PyTorch** and **scikit-learn** to preprocess large datasets and train clustering and classification models and developed dashboards translating model outputs into insights that informed cross-functional decisions.

PERSONAL PROJECTS

Research Paper Intelligence System — AI-Powered RAG Application

- Developed a **Retrieval-Augmented Generation** system using **FastAPI**, **LangChain** and **Ollama** where users upload research papers and chat with an LLM that returns **cited responses** mapped back to specific document sections and pages.
- Implemented **hybrid retrieval** combining semantic search (Pinecone) and lexical search (BM25) with **Reciprocal Rank Fusion**, scoped to conversation-specific documents.
- Containerized with **Docker**, tested with **pytest**, and deployed via **CI/CD (GitHub Actions)** with structured chunking, Cloudflare R2 file storage, and conversation management APIs.

Microservice-Based Grocery Ordering System

- Built **distributed Python plus Flask microservices** (auth, user, order) backed by **MySQL** for reliable data persistence, IDE debugging tools, and command-line utilities to manage services, inspect logs, and validate system behaviour.
- Implemented DevOps** workflows across Dockerized environments with centralized logging, health checks, and performance metrics to improve service reliability and observability.