

# Aman Chhetri

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## Education

**University of Massachusetts Amherst** – BS in Computer Science Expected May 2026  
**Relevant Coursework:** Data Structures and Algorithms, Operating Systems, Computer Networks, Software Engineering, Machine Learning

## Experience

**Chewy**, Software Engineer Intern – Boston, MA June 2025 – August 2025

- Deployed a **Java Spring Boot** microservice that unified 4 legacy Customer Service APIs into a single interface, reducing service calls by **75%** and simplifying integrations across internal teams.
- Designed and deployed cloud-native infrastructure using **Terraform** and **Kubernetes (AWS EKS)**, enabling scalable, multi-region deployments and reliable service operation under high internal traffic.
- Built CI/CD pipelines in **Jenkins** to automate Docker image builds, push artifacts to AWS ECR, and deploy services to EKS, improving deployment speed, consistency, and rollback safety in production.
- Integrated the service into an internal customer service platform, reducing duplicate comment data and improving reliability for **50+** customer support representatives.
- Owned integration of a third-party analytics service across Chewy Canada web pages (TypeScript), capturing page views, user interactions, and checkout events to support product and user behavior analysis.

**Build UMass (Student-Run)**, Software Engineer Intern – Amherst, MA February 2025 – May 2025

- Developed user-profile functionality for si-social, a TypeScript-based platform supporting global education and youth mental wellness initiatives.
- Implemented secure authentication and avatar uploads using Firebase Authentication and Storage, and optimized profile data storage using MongoDB indexed queries.

**Edworldo**, Software Engineer Intern – Austin, TX June 2023 – August 2023

- Leveraged OpenAI's GPT-3.5 Turbo model to generate educational multiple-choice questions based on articles, utilizing TypeScript and **React** to dynamically display the questions on the webpage.
- Built a web-based text highlighting tool enabling users to select and persistently store highlighted text across user sessions, leveraging JavaScript for DOM manipulation with CSS ensuring intuitive visual styling.

## Projects

**Chacha - AI DevOps Assistant** github.com/Professor-Virus/chacha

- Built Chacha, a **Python**-based CLI tool that streamlines Git workflows by auto-staging selected files, generating AI-assisted commit messages, and guiding users through actions using interactive prompts.
- Implemented staged diff analysis for context-aware commit message generation and improved commit quality.
- Designed a modular, **object-oriented** architecture separating Git operations and AI logic, improving extensibility and code maintainability.

**Minute Munch - Food Delivery Application** github.com/Amandinh0/MinuteMunch

- Engineered a Java Spring Boot food delivery platform with a React frontend for UMass Amherst, designing MongoDB schemas with indexed queries to support concurrent usage across four dining halls.
- Optimized delivery pricing by developing a distance-based cost algorithm, improving real-time order efficiency across four dining halls.

## Skills

**Languages/Databases:** Java, JavaScript, Python, TypeScript, SQL, PostgreSQL, HTML, MongoDB

**Frameworks/Libraries:** React, Spring Boot, Node.js, Express.js, Next.js

**Cloud & DevOps:** Git, Jenkins, AWS (ECR, EKS), Kubernetes, Terraform, Docker, CI/CD, Datadog