Aman Chhetri

amanchhetricr7@gmail.com | github.com/Amandinh0 | aman-ctri-tech-n61b.vercel.app

Education

University of Massachusetts Amherst – BS in Computer Science – GPA: 3.73/4 **Expected May 2026**
Leadership: UMass Nepalese Student Association, Innov8 Startup Club, Math Club, UMass Mens Soccer Club

Skills

Languages/Databases: Java, JavaScript, Python, C, C++, TypeScript, SQL, HTML, CSS, MongoDB, PostgreSQL
Frameworks/Libraries: React, Spring Boot, Node.js, Express.js, Next.js
Developer Tools: Git/Github, Vim, Docker, Terminal/Powershell, REST API

Experience

Software Engineer Intern, Headstarter AI – Remote, United States **July 2024 – September 2024**
- Led a team to develop a subscription-based nutritional advice app with AI-driven meal planning and health tracking, achieving 95% accuracy in recommendations used by 500+ users
- Streamlined subscription management using Stripe API, built with Next.js, React, and Node.js
- Applied Agile methodologies, CI/CD practices, and code refinement learned from networking with software engineers, resulting in improved software quality and efficiency for each project

Information Technology Intern, Malden City Hall – Malden, MA **July 2024 – September 2024**
- Accomplished secure migration of critical property records for a city of 65,000+ using AWS Data Migration
- Provided technical support to city hall staff and residents, resolving issues on macOS, Windows, and Linux, improving system uptime and user satisfaction
- Assisted with configuration, installation, and maintenance of various software applications and systems, contributing to seamless operations and reduced technical disruptions

Software Engineer Intern, Edworldo – 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, leveraging JavaScript for DOM manipulation with CSS ensuring intuitive visual styling
- Enhanced user experience by implementing a reusable React component for dynamic loading during asynchronous operations

Projects

NutriCard - AI Flashcards github.com/Professor-Virus/Nutricard
- Developed an AI-powered flashcard website using Node.js for the back-end, React for the front-end, and integrated the Llama 3.1 model to dynamically generate flashcards from a given piece of text
- Integrated Firebase for real-time storage and Stripe API to manage subscription-based access, securing a consistent revenue stream

Minute Munch - Food Delivery Application github.com/Amandinh0/MinuteMunch
- Developed a comprehensive food delivery platform serving a community of 30,000+ students at UMass Amherst, enabling seamless order management across four dining halls
- Built the platform with React, Spring Boot, and MongoDB for scalable management of menus, halls, and orders
- Optimized delivery pricing by developing a distance-based cost algorithm, improving real-time order efficiency across four dining halls

Evil Hangman
- Developed a dynamic hangman game to maximize unpredictability by leveraging an AVL tree algorithm for efficient word switching during gameplay
- Developed on an Ubuntu Linux environment using Vim as the primary text editor, demonstrating CLI proficiency