Aman Chhetri

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EDUCATION

University of Massachusetts Amherst   Amherst, MA
Bachelor of Science in Computer Science, GPA: 3.68   *Expected Graduation May 2026*

EXPERIENCE

Software Engineering Fellow   July 2024 – Present
Headstarter
- Developed 5 AI-integrated projects leveraging NextJS, Firebase, OpenAI and StripeAI.
- Participated in networking events and received guidance from software engineers on Agile methodologies, CI/CD practices, and code refinement, leading to improved software quality and efficiency.
- Currently working on a final project utilizing agile development principles, targeting the achievement of over $1000 in revenue and more than 1000 users.

Information Technology Intern   July 2024 – Present
Malden City Hall   *Malden, MA*
- Provide technical support to city hall staff and residents, addressing and resolving issues on macOS, Windows and Linux.
- Troubleshoot and diagnose hardware and software problems, ensuring efficient and effective solutions.
- Assist with the configuration, installation, and maintenance of various software applications and systems.
- Helped with data transfers, ensuring smooth and secure migration of information across different platforms and devices.

Software Developer Intern   June 2023 – August 2023
Edworldo - Education Tech Startup
- Utilized the OpenAI API to generate educational multiple-choice questions for articles using TypeScript, and displayed these questions throughout the webpage using React, aiding teachers in developing engaging and informative teaching materials.
- Developed a tool that allows users to select and highlight specific text on webpages, with the highlighted text being stored and displayed, achieved using JavaScript for functionality and CSS for styling.
- Designed and implemented a straightforward loading animation feature using React and CSS to engage users during wait times.

PROJECTS

Minute Munch HackUMass | *JavaScript, React, Java, Spring Boot, MongoDB*   [Github Link]
- As a team, designed and developed a comprehensive food delivery platform for the UMass Amherst community, facilitating seamless order management, accurate cost calculation based on distance, and food menus from the four dining halls.
- Seamlessly integrated MongoDB to store menu items, residence halls, and orders, ensuring efficient data management and retrieval.
- Enabled CRUD operations for orders via RESTful endpoints, ensuring they appear seamlessly on the driver's side feed, enhancing real-time visibility and management of deliveries, using Java Spring Boot for backend.
- Leveraged React Routing and React for the frontend to divide the website into driver and customer sections, enabling drivers to view pending orders and customers to place new orders effortlessly.
- Utilized version control with Git and GitHub to manage and track changes throughout the development process, ensuring collaborative efficiency and project integrity.

NutriCard - AI Flashcards | *Node.js, React, Firebase, JavaScript, Stripe API*   [Project Link][Github Link]
- 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.
- Integrated Firebase for real-time storage and synchronization of flashcard data, ensuring seamless CRUD operations for managing user-generated content.
- Incorporated Stripe API to manage subscription-based access, restricting AI-generated flashcards to paid users, thereby securing a consistent revenue stream.

RELEVANT COURSES

Data Structures and Algorithms in C, Linear Algebra, Computer Systems Principles, Discrete Mathematics