Ankit Poudyal

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EDUCATION

University of Virginia   Charlottesville, VA
B.S. in Computer Science, B.A. in Mathematics, 3.70 GPA   *Expected May 2025*

EXPERIENCE

CS & Math Instructor   June 2023 – August 2023
Fairfax Collegiate   *Reston, VA*

- Performed various teaching strategies, including group activities and peer-to-peer learning, resulting in an increase in student engagement and active involvement in data structures and algorithms lessons
- Utilized real-time coding challenges and competitive programming sessions to enhance students' problem-solving skills, leading to a 20% improvement in their ability to tackle programming tasks based on assessments
- Organized and facilitated coding workshops providing 15+ students with valuable insights and networking opportunities, which resulted in an increase in students' interest and motivation to pursue careers in computer science

Software Engineer   September 2022 – May 2023
theCourseForum   *Charlottesville, VA*

- Maintained a web-based platform for UVA students to leave course reviews, using Django as the backend framework and HTML, CSS, and JavaScript for the frontend design
- Utilized Docker to containerize the application, enabling consistent and efficient deployment across multiple environments, including Google App Engine
- Collaborated with a team of developers on GitHub to ensure code quality, resolve issues, and implement new features, resulting in a streamlined development process and successful delivery of updates to over 10,000 users
- Implemented a scalable PostgreSQL database architecture to efficiently store and retrieve course review data, enabling quick search and access to course information

PROJECTS

Auto-translating Chat Platform | *Python, Flask, React, SQLite, Tailwind*   June 2023 – August 2023

- Led the development of a chat platform utilizing React, Flask, Tailwind, and leveraging SQLite for efficient storage and retrieval of chat data, resulting in a reliable and scalable chat platform that supports real-time translation
- Implemented real-time translation functionality that quickly translates messages from 30+ languages in less than 2 seconds, based on users' preferred language settings, ensuring efficient and timely communication across language barriers
- Created automated testing scripts using Jest to ensure consistent and reliable performance, allowing for faster regression testing and quicker identification of potential issues

E-commerce Order Automation | *Node.JS, Fastify, Electron, MongoDB, Git*   January 2021 – September 2021

- Spearheaded the development of an e-commerce order automation software using Electron for the frontend and Node.JS for the backend, resulting in over 300 active users and $50,000 in checkouts over a 7-month period
- Utilized Fastify to create a robust API for license authentication, database access, and ecommerce automation modules, resulting in seamless integration with over 300 online stores
- Designed and implemented a checkout analytics system using MongoDB, allowing for real-time monitoring of user activity and feedback to improve the software's automation modules

SKILLS

Tools and Technologies: Git, GitHub, AWS, Docker, Node.js, React, Django, Flask, Linux (Ubuntu, Debian), Figma
Programming Languages: Python, C, C++, C#, JavaScript, SwiftUI, Java, SQL (MySQL, SQLite), Bash, TypeScript
Relevant Coursework: Software Development Essentials, Computer Systems and Organization, Data Structures and Algorithms, Discrete Mathematics and Theory
Certifications: Microsoft Office Specialist Master (MOS)