ANIMESH SAXENA

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EDUCATION

University of Massachusetts, Amherst Expected May 2023
Bachelor of Science in Computer Science and Mathematics GPA: 4.0/4.0
UMass International Collegiate Programming Contest Team (ICPC), Deans List, Chancellor's Award

WORK EXPERIENCE

Incoming Software Engineer Intern - Palantir 05/2022 - 08/2022

Software Engineer Intern - Viasat 06/2021 - 08/2021

- Viasat is a global ISP which operates in multiple geographic locations. Implemented key-value mapping library which synchronizes over multiple regions (Kubernetes clusters), allowing for optimization of international queries using parallel programming and integration with existing user management platform.
- Created and deployed geolocation API. Gets the district and state based on the zip code.

Undergraduate Teaching Assistant for Algorithms and Calculus - UMass Amherst 09/2021 - Present

- Prepare lecture and discussion section exercises to facilitate student learning.
- Hold office hours to provide additional help to students. Grade and provide feedback to further students' skills.

Co-Founder - InstaDelivery 03/2021 - 05/2021

- Created e-commerce app using React-Native for local delivery of items. Made customer, shopkeeper, delivery and admin facing apps.
- Developed features including order tracking, chat and OTP authentication using Firebase and cloud database.
- Connected to local shopkeepers and residential community for beta testing.

Software Developer Intern - Revolt Motors 05/2020 - 09/2020

- Revolt Motors manufacture India's first AI-enabled electric motorcycle. Implemented aspect based sentiment analysis on product reviews and tweets. Used NLP algorithms for categorization. Used clustering and data visualization techniques to display feedback. Achieved 74% accuracy of classification. Led to identification of customer needs and ratings of company products and services.
- Created Android app feature using image processing techniques including optical character reading and regex algorithms to parse driver's licenses, expediting registration time and improving user experience.

SKILLS

Languages/Frameworks Java, Python, C, C++, JavaScript(Node.js), SQL, LaTeX
Environments/Tools/Storage Git, Linux, Swagger/OpenAPI, MongoDB, Cassandra

RELEVANT COURSEWORK

Algorithms, Data Structures, Operating Systems, Discrete Math, ML, NLP, Applied Linear Algebra, Vector Calculus

PROJECTS

Plumber and Electrician Scheduling

- Designed and implemented a full stack (MERN) web app to automatically assign workers to an order based on submission time, travel distance, feedback, specialization and order requirements.

CLUBS

President - UMass ACM ICPC Club

- Leading a student body of 30 members and organizing weekly meetings to discuss Data Structures and Algorithms problems.