

Anshul Saha

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EDUCATION

University of Massachusetts Amherst

Bachelor of Science in Computer Science and Mathematics

Amherst, MA

Expected Graduation: May 2025

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS, Dart

Frameworks: React, Node.js, React Native, Flutter, Flask, Django

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, MongoDB Atlas

EXPERIENCE

Junior Systems Administrator

UMass IT Research Computing

Sep 2022 – Present

Amherst, MA

- Managing UMass's high-performance research computing at Holyoke based data center (MGHPCC)
- Full-stack development of cluster websites and management tools used by 100+ researchers
- Ongoing user interface and backend software development for HPC clusters

Software Developer

BUILD UMass

Oct 2022 – July 2023

Amherst, MA

- Spearheaded development of a menstrual period tracker app for Small Acts for Sustainability (an NGO) using React Native, Javascript, Firebase, and MongoDB.
- Used by over 500+ women in rural parts of India

React Native and UI/UX Developer Intern

Flurt Network

Jun 2022 – Aug 2022

India

- Redesigned UI elements and improved animations for the promotional website using React, Javascript, GSAP, and Chakra UI.
- Developed the authentication flow including registering, logging in, and session storage for a cross-platform app, using React Native, Moralis, and MongoDB.

PROJECTS

Know Your Traveller | *Dart, Flutter, Azure*

- Developed an Android (Flutter) app that helped in connecting travellers and travelling agencies for safer post-COVID travel.
- Selected as National Finalist at Microsoft Imagine Cup 2021

UPlay! | *Node.js, Express.js, Javascript, Mapbox API*

- Developed a web-based app designed for busy college students to find people in real-time to play sports with around the campus.
- Implemented the Mapbox API for the dashboard screen and socket.io for sending real-time requests and notifications.
- Won the Best Beginner Software Hack at HackUMass X

CoDiff | *Typescript, VSCode API, socket.io*

- Developed a VSCode extension that has live access to all your teammates' local changes, greatly improving communication: it notifies you of conflicts with teammates as they occur.
- Utilized polka for running local servers, axios for fetching data, socket.io for real-time communication between users, and tmp for temporary file management

COVID-19 Bot | *Javascript, Twitter API*

- Developed a Twitter bot that automatically replies to tweets requesting COVID related resources with links containing information about the availability.
- Used by 200+ users and helped 1000+ patients in need of oxygen cylinders, medicines, and other essential medical equipment.