Sahil Gupta

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EDUCATION

B.S. Computer Science: **University of Massachusetts Amherst**   GPA: **3.85 / 4.0**   Graduation: **May 2023**

- **Distinctions:** Dean's List, Chancellor's Award Scholarship
- **Coursework:** Machine Learning, Artificial Intelligence, Natural Language Processing, Search Engines, Operating Systems, Computer Networks, Database Systems, Software Engineering, Data Structures & Algorithms

SKILLS

Languages/Databases: Java, Python, TypeScript, JavaScript, Kotlin, SQL, C++, PostgreSQL, MongoDB

Frameworks/Technologies: AWS, Firebase, React Native, Android, React, Node.js, Express.js, Selenium, Git, Linux

WORK EXPERIENCE

Frontend Intern   **AudioShelf**   **Nov 2022 – Feb 2023**

- Worked on AudioShelf mobile app for streaming audio books using React Native in TypeScript
- Implemented caching in the app, reducing server load by 30% thus improving app performance and user experience
- Incorporated deep linking for seamless navigation between the mobile application and external sources
- Performed code reviews to maintain high code quality and performance standards
- Added 6+ new features, raised 15+ issues, and resolved 12+ bugs

Software Engineer Intern   **Altius Strategic Consulting**   **May 2022 – Aug 2022**

- Architected AWS services such as Lambda, DynamoDB, API Gateway, S3 into the android mobile application
- Developed client-facing user interface and implemented user authentication via Firebase
- Documented all processes, code changes, and troubleshooting steps for future reference and to ensure smooth transitions between developers
- Contributed to the team's agile development process, participating in sprint planning, stand-ups, and retrospectives

Software Developer   **CICSoft**   **Feb 2022 – Present**

- Integrated features for the organization's admin dashboard using React with TypeScript, Tailwind CSS, and Firebase
- Created new features for member management that include a search bar, filtering options to help administrators find specific members easily, tracking and handling member applications in an intuitive GUI system
- Engineered Firebase Realtime Database integration for real-time updates in the member data using the Node.js SDK
- Collaborated with the development team to design user-friendly interfaces that optimize the user experience
- Conducted bootcamp sessions on Android and React Native for 50 plus students which enabled them to learn and explore the field of mobile development

Software Engineer Intern   **KPMG**   **May 2021 – Aug 2021**

- Developed a web scraper in Python, using Beautiful Soup library which scraped news articles based on provided keywords
- Implemented Machine Learning algorithms on different data sets along with hyperparameter tuning for higher efficiency

PROJECTS

EleNa (github.com/sahilgupta17/EleNa)   **React, JavaScript, Django, Python**

- Elevation based navigation system built with React that assists hikers and bikers find shortest route to their destination
- Created reusable and scalable UI components including interactive map, location search and route selection
- Worked closely with back-end developers to integrate front-end features with Django REST APIs

UTrack (github.com/sahilgupta17/UTrack)   **React, Node.js, Express.js, MongoDB**

- Designed and developed the backend functionality of a web application using Node.js and MongoDB
- Developed Node.js and Express APIs that performed CRUD operations on MongoDB data for various features that enhanced employees' productivity, such as task organization, performance reviews, and paid time off applications
- Incorporated Passport.js for employee authentication and authorization, ensuring secure access to the application
- Collaborated with a team of frontend developers to ensure seamless integration and consistent design

LEADERSHIP

Captain, Badminton Team   **University of Massachusetts Amherst**   **Sep 2021 – Feb 2023**

- Coached and led the team to 2nd position in Yonex North-Eastern Collegiate Team Championship
- Mentored team members by offering guidance, feedback, and support to enhance their skills and maximize their potential