AVI MEHTA

628-241-9964 | avim@vt.edu | avimehta.info | linkedin.com/in/mehtavi | github.com/mehta-avi

EDUCATION

Virginia Tech   May 2023
B.S. in Computer Science, GPA: 3.45/4
Relevant Coursework: Object-Oriented Programming, Data Structures, Algorithms, Computer Systems, Human Computer Interaction, Cryptography, Combinatorics, Statistics and Applications, Discrete Math

SKILLS

Languages:	Python, Javascript/Typescript, Java, C/C++, Rust, SQL/NoSQL, HTML/CSS, Ruby, Haskell
Technologies & Frameworks:	Flask, Bash, Node, Express, React, MongoDB, GraphQL, TailwindCSS, OpenCV
Infrastructure:	Linux, Git, Docker, Kubernetes, AWS, Firebase, Heroku

PROFESSIONAL EXPERIENCE

Truist   Charlotte, NC
Internal IT Auditor   *June 2023 - Present*
- Conducting walkthroughs and testing of IT general controls (ITGCs) to evaluate the effectiveness of key controls

Virginia Tech Department of Computer Science   Blacksburg, VA
Undergraduate Teaching Assistant | Human Computer Interaction   *Aug 2022 – May 2023*
- Held weekly office hours, assisted the professor in writing test and homework material, and graded exams of 150+ students
- Led discussion sections of 48 students weekly, working through problems interactively

Undergraduate Researcher   *Aug 2022 – Dec 2022*
- Researched the development of a multi-user communication feature in an extended reality (XR) social network application
- Analyzed user data to identify common communication patterns and pain points within the platform

The Consulting Group at Virginia Tech   Blacksburg, VA
Account Manager   *May 2022 – Dec 2022*
- Developed a data-driven strategy to rank projects, acquire clients, and optimize onboarding, while successfully managing project timelines and resources and ensuring high levels of client satisfaction

Technology Consultant   *Oct 2020 - May 2022*
- Conducted M&A due diligence and developed a strategy, focusing on WealthTech, blockchain, and digital banking markets
- Orchestrated a 5G adoption and utilization roadmap of for the medical industry, leveraging exhaustive scientific and market research, and insights from early adopters
- Constructed a cybersecurity system for smart vehicles and conducted A/B testing to evaluate and mitigate vulnerabilities

Blankly Finance (Contrary and RDV backed)   Ann Arbor, MI
Software Engineer Intern   *Oct 2021 - May 2022*
- Engineered a full-stack scalable registration service with Typescript, Firebase, and Cloud Functions, and wrote unit, integration, and end-to-end tests using Pytest and Cypress
- Leveraged RESTful APIs and web sockets to seamlessly integrate exchanges, boosting the Blankly Package's capacity by 50%
- Built a trading and price monitoring Discord bot through the Blankly API, hosted on AWS EC2 Instances; managed Docker orchestration and containerization using Kubernetes

Brands on Road   Bangkok, Thailand
Software Engineer Intern   *July 2020 - Aug 2020*
- Improved the internal client onboarding process using React.js and Bootstrap to design and deploy a centralized pipeline
- Automated data migration process from MySQL to MongoDB, using JavaScript, reducing manual data retrieval time by 30%

PROJECTS

ChefMeUp | *Senior Design Capstone: React.js, Typescript, Python, Flask, Android Studio*   *Jan 2023 – May 2023*
- Developed a mobile app addressing food insecurity by enabling users to find affordable groceries and recipes nearby
- Implemented a Flask server with search endpoints and API integrations for real-time grocery store and recipe data
- Conducted rigorous user acceptance testing to validate app functionality for optimal user experience
- Awarded the Industry Choice award at the VTURCS symposium

MoodSync: *Python, OpenCV, Flask, Javascript*   *April 2023*
- Pioneered a full-stack app of an emotion detection visualizer using OpenCV to track, analyze, and synchronize emotions
- Architected a dynamic music curation system using the Spotify API based on real-time analysis of the user's emotions

ManaJira: *React.js, GraphQL, Express.js, MongoDB, Apollo Client, Apollo Server*   *June 2022*
- Built agile PM tool employing pagination, sorting, and fragments for enhanced code reusability and data retrieval efficiency