

HARSH VAGHANI

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EDUCATION

Binghamton University, State University of New York

Master of Science in Computer Science

Expected May 2025

Cumulative GPA: 3.90/4.00

Relevant Coursework: *Design and Analysis of Algorithms, Programming for the Web, Android Game Development, Database Management Systems.*

University of Mumbai

Bachelor of Science in Electronics and Communications

Mumbai, MH

October 2020

Relevant Coursework: *Structured Programming Approach, Object Oriented Programming in Java*

TECHNICAL SKILLS

Languages and Technologies: Java, Javascript, Typescript, SQL, MongoDB, Dart, Flutter MVVM, ReactJS, NodeJS, Express JS, Firebase.

Software and OS: Android Studio, Visual Studio Code, Netbeans, Eclipse, Postman

Miscellaneous: Git, Github, Bitbucket

Certifications: *Oracle Certified Associate Java Programmer*

PROFESSIONAL EXPERIENCE

Binghamton Tech Collective, Software Engineer | Binghamton, NY

Jan 2024 - Present

- Spearheaded cross-platform app development using Flutter and Dart, benefiting thousands of university students with seamless buying and selling experiences, fostering vibrant campus marketplace engagement.
- Implemented MVVM architecture to optimize data processing, enhancing user satisfaction.
- Architected efficient Dart backend code, improving data retrieval and transmission, ultimately resulting in faster app performance.
- Designed intuitive UIs for Android and iOS with Flutter widgets, streamlining Firebase commands for a seamless serverless architecture.

Binghamton University, Graduate Student Assistant | Binghamton, NY

Aug 2023 - Present

- Proactively assisted prospective students, ensuring a smooth admission process and enhancing student satisfaction.
- Led marketing campaigns and recruitment events, boosting candidate attraction and university visibility.
- Architected efficient Dart backend code, improving data retrieval and transmission, ultimately resulting in faster app performance.
- Managed diverse projects autonomously, contributing to team objectives effectively.

Etech - Medallia, Business Analyst | Gandhinagar, GJ (India)

Jan 2021 - July 2023

- Utilized HTML, CSS and Javascript to create visually appealing and user-friendly custom form designs, optimizing the user experience and improving data collection efficiency.
- Collaborated closely with Solutions Consultants and Solutions Directors to work on Proof-of-Concept (POC) projects, demonstrating the feasibility and potential value of the software solution to prospective clients, resulting in increased acquisition rate by 5%.
- Led a team of 3 analysts as a People Manager, providing guidance, mentorship, and performance management to ensure successful project delivery and customer satisfaction.

Project Experience

Multi User Chat Application, Full Stack Developer - [Github](#)

April 2023 - June 2023

- Developed a multi-user chat application using the MERN stack (MongoDB, Express.js, React, and Node.js), incorporating real-time communication through Socket.io for instant messaging and seamless user experience.
- Implemented user login/logout functionality and user authentication using JWT (JSON Web Tokens), ensuring secure access and protecting sensitive user data.
- Utilized Redux for state management, implementing the thunk middleware to handle asynchronous tasks efficiently and maintain a consistent application state.

Notezipper - A safe place for all your notes, Full Stack Developer - [Github](#)

Jan 2023 - Feb 2023

- Developed a feature-rich Notes Taking Application using the MERN stack using React Bootstrap for efficient UI development.
- Utilized the full range of CRUD (Create, Read, Update, Delete) operations to enable users to create, view, edit, and delete their notes, providing a comprehensive and intuitive note-taking experience.