

# HARSH VAGHANI

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## PROFESSIONAL EXPERIENCE

**Binghamton Tech Collective, Software Engineer** | Binghamton, NY *Jan 2024 - Present*

- Spearheaded cross-platform app development using Flutter and Dart, benefiting 2000 plus 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, leveraging 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.
- 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.

## 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*