

# TEJAS HEMANT CHOUDHARI

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## SUMMARY

Full Stack Software Engineer experienced in developing applications within the financial services industry. Specializing in .NET/C# development, I am proficient in C#, .NET, Angular, SQL Server and modern web technologies. I excel at translating complex user requirements into efficient, scalable technical solutions while adhering to best coding practices.

## EDUCATION

### NORTHEASTERN UNIVERSITY

Master of Science, Information Systems; Cumulative GPA: 3.86/4

Relevant Coursework: Application Engineering and Development; Program Structures and Algorithms, Object Oriented Design

Boston, MA

Expected Dec 2024

### MUMBAI UNIVERSITY

Bachelor of Engineering, Information Technology

Mumbai, India

Aug 2016 – Oct 2020

## WORK EXPERIENCE

### BRACEBRIDGE CAPITAL

Software Engineer Coop

Boston, MA

May 2023 – Dec 2023

- Collaborated with the application development team to successfully migrate a legacy system to a modern .NET and C# platform using an in-house framework built with C# and Blazor, resulting in a microservice architecture that generated 150+ reports on future bond markets
- Reduced weekly debugging time by 8 hours by implementing a pipeline re-run feature and upgrading the UI for real-time analytics of pipelines, including execution status and logs, to minimize manual efforts in troubleshooting
- Programmed key features for a web application managing ETL pipelines, utilizing C#, .NET Framework, REST APIs and SQL Server in an Agile environment, with Azure for CI/CD, resulting in a 25% reduction in resource consumption

### INFOSYS LIMITED

Software Engineer

Pune, India

Nov 2020 – Aug 2022

- Coordinated with cross-functional teams in financial services, resulting in the on-time delivery of a Business Lending Web Application while adhering to Agile methodology, accelerating project completion by 20%
- Developed business functionalities in a scalable Web API architecture with C#, .NET Core, and Angular, implementing the Unit of Work and Repository design patterns with Entity Framework to reduce manual deal validation efforts by 16%
- Engineered a robust codebase employing NUnit for rigorous unit and integrated testing; improved overall code quality by identifying and fixing 45+ bugs

## PROJECTS

### BOOK VERSE | Node.js, React.js, Vue.js, TypeScript, Python, MongoDB, Gemini API | [Link](#) July 2024 – Aug 2024

- Designed and developed an AI-driven e-book store, integrating Google AI Gemini API to deliver personalized, data-driven book recommendations using item-based collaborative filtering, Pearson correlation, and matrix mean centering
- Implemented robust state management with Redux and integrated Stripe API for secure payments, enhancing user experience with seamless transactions and personalized book discovery powered by advanced recommendation algorithms

### EXPENSE MANAGER WEB APPLICATION | C#, .NET Core MVC, SQL Server | [Link](#) Dec 2023 – May 2024

- Developed a personal expense management application using C#, .NET Core MVC, and Entity Framework, employing clean architecture principles and seamless SQL Server integration.
- Improved user experience by implementing efficient budget tracking and expense categorization features, contributing to a more intuitive and streamlined interface.

### STREAMLINING APPLICATION SYSTEM | Java, Python, Flask, MongoDB | [Link](#) Jan 2020 – Aug 2022

- Led a team of six in building an Android mobile app utilizing Java and Python Flask web app integrated with MongoDB
- Streamlined the application process and reduced the average processing time from 10 days to 4 days by redefining responsibilities and improving accountability of employees

## SKILLS

**Technologies:** C#, Java, Python, TypeScript, JavaScript, HTML5/ CSS3; RESTful API, JSON

**Frameworks:** .NET, Angular, React.js, Vue.js, Spring Boot, Blazor, Flask, jQuery, NUnit

**Databases:** SQL Server, PostgreSQL, MongoDB, MySQL; **Cloud Technologies:** Azure, AWS