

# TONANGI VAMSI

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## SUMMARY

I am Tonangi Vamsi, a B.Tech graduate from Parul University with professional experience as a Programmer Analyst at Meditab Software. I specialize in backend development and database management, with hands-on involvement in building and optimizing backend systems. Passionate about software engineering, I aim to apply my skills and experience to deliver efficient and scalable solutions while continuing to grow as a software engineer.

## WORK EXPERIENCE

### PROGRAMMER ANALYST

Meditab Software

December 2024 – Present, Ahmedabad, Gujarat

- Developed and maintained backend systems using C#, ASP.NET Core, and PostgreSQL for real-time, production-level applications.
- Ensured HIPAA-compliant handling of US healthcare data and integrated RESTful APIs with EHR systems.
- Collaborated with the Angular frontend team to design and integrate APIs for seamless data flow and user experience.
- Improved API performance by optimizing queries, reducing response time, and enhancing overall system efficiency.
- Strengthened expertise in debugging, code optimization, and implementing robust backend logic aligned with business requirements.
- Improved system performance through code optimization, debugging, and backend logic enhancement.
- Worked in agile teams, contributing to major projects through feature development, bug fixes, and Git-based version control.

## PROJECTS

### 1. EHR – ELECTRONIC HEALTH RECORD

KEY SKILLS : C# , ASP .NET Core , PostgreSQL

BillrMD :

- Developed and maintained backend modules for Patient Statement Generation, Insurance & Patient Payment Posting, supporting core billing and payment workflows in a healthcare environment.
- Developed features for HL7 message generation/parsing and automated secure storage using SFTP/FTP on FileZilla Server.
- Integrated OpenEdge payment gateway via secure URL-based transactions to enable seamless and compliant credit card payment processing.
- Integrated AWS S3 for document storage, including secure configuration and management of AWS access keys and secret keys, improving cloud-based data handling.
- Designed and implemented a client-specific audit logging system, creating a separate audit database per client to track all actions on the main database for history, traceability, and issue analysis.

### 2. FRONT END PROJECTS

KEY SKILLS : React , CSS

NOTE EDITOR :

- Built a multi-featured note-taking app with a split-screen layout using React Split , Enabled creating, editing, and deleting notes using React's state management, Integrated local storage to persist notes and auto-prioritize recently edited ones.

TENZIES GAME :

- Created an interactive dice game using reusable components and manage game logic with useState and props.
- Enabled real-time user interaction, roll counting, and die selection mechanics.
- Utilized local storage to track player performance data such as completion time and attempt count.

### 3. BLOG APPLICATION

KEY SKILLS : Node js , Express , MongoDB , React , CSS

- Developed a blog application using Node.js , Express.js and React with a modular architecture for scalability , clean code organization and reusable components for better state management.
- Designed MongoDB schemas with Mongoose to model a one-to-many relationship, allowing each user to manage multiple blog posts.
- Implemented secure user authentication using JSON Web Tokens (JWT) for stateless session management, including login and signup flows.
- Enabled full CRUD operations on blog posts through RESTful API endpoints, ensuring efficient data handling and access control.

## TECHNICAL SKILLS

**LANGUAGES** : #C , JavaScript , Python , SQL , HTML , CSS

**FRAMEWORK** : ASP .NET Core , Node JS , Express , React

**DEV TOOLS** : Visual Studio , Git , Postman , IIS , Redis , AWS S3

**DATABASE** : Postgre SQL , MongoDB

## EDUCATION

### PARUL UNIVERSITY

Bachelor of Technology (B.Tech)

SEP 2021 – JUNE 2025

7.8 CGPA

### SRI CHAITANYA COLLEGE

intermediate / Class 12<sup>th</sup> ( Science with Mathematics)

JUNE 2019 – MARCH 2021

96%