

Tejas Sunil Gumgaonkar

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

Software Engineer with 2+ years of experience in enterprise-level full-stack .NET development, specializing in C#, .NET Core, SQL Server, and scalable web application architecture. Proven expertise in AI-powered development, microservices design, RESTful API development, and database optimization across multiple platforms.

SKILLS

- **Programming Languages:** C#, JavaScript, TypeScript, Python, C++.
- **Web Technologies:** .NET Core, .NET, React.js, Node.js, Express.js, jQuery, HTML5, CSS3, Bootstrap, Tailwind CSS.
- **Database Technologies:** SQL Server, PostgreSQL, MongoDB, MySQL, Redis, Entity Framework, LINQ, ADO.NET.
- **Cloud & DevOps:** GCP, Azure DevOps, Git, GitHub, Azure TFS, CI/CD Pipelines, AWS (Lambda, S3 & EC2), Docker.
- **Development Tech:** Cursor, GitHub Copilot, Visual Studio, SDLC Protocols, NuGet Package Management, npm.
- **Testing & Quality Assurance:** Unit Testing, Postman, Automated API Testing, Vulnerability Assessments.
- **Core Competencies:** Figma, Full-Stack Web Development, SQL Server Jobs, MVC Architecture, Software Debugging & Analysis, Production Environment Support, Agile/Scrum, Web Services Development, SOAP, OAuth 2.0, Token-Based Authentication, REST APIs, Performance Optimization, Code Reviews, Software Design Patterns.
- **AI/ML & Data:** TensorFlow, NumPy, Pandas, Matplotlib, Deep Learning, scikit-learn, RAG, LLM Integration.

WORK EXPERIENCE

Research Assistant, California State University, Fresno

Oct 2025 – Present

- Contributing to research on non-invasive brain-computer interfaces using electroencephalography (EEG) technology.
- Developing GUI for experimental paradigms using Unity game engine supporting neuroscience research applications.

Software Engineer, Persistent Systems Limited

July 2021 – Aug 2023

- Built scalable distributed API systems and multi-threaded web applications using ASP.NET, .NET Core, C#, and Web API.
- Improved critical API response time by 2.8s through performance optimization and systems architecture decisions.
- Led comprehensive security assessment (VAPT), resolving 50+ vulnerabilities in production systems ensuring compliance.
- Optimized 25+ SQL stored procedures using Entity Framework and ADO.NET for enhanced system efficiency.
- Developed and consumed RESTful Web APIs with JSON and XML data processing capabilities.
- Orchestrated deployment across 4 environments using CI/CD pipelines and DevOps best practices with Azure TFS.
- Implemented comprehensive testing strategies including unit testing and automated API testing using industry best practices.
- Utilized Visual Studio, Azure DevOps, and Team Foundation Server (TFS) for version control following SDLC protocols.
- Successfully managed 22+ change requests independently with focus on system reliability and maintenance.

Software Engineering Intern, Persistent System Limited

Jan 2021 - July 2021

- Developed secure web applications with Token-Based Authentication using C# and ASP.NET Web APIs.
- Implemented MVC architecture for responsive applications using ASP.NET MVC, Entity Framework, and SQL Server.
- Performed comprehensive testing and defect management using Postman and Azure DevOps.

EDUCATION

California State University, Fresno

Master of Science, Computer Science

Aug 2025

Fresno, CA

GH Raisoni College of Engineering (GHRCE) – RTMNU

Bachelor of Engineering, Computer Science Engineering

May 2021

Nagpur, IN

ACADEMIC & PERSONAL PROJECTS

TeamLabs - Project Management Platform

- Built a full-stack project management application using MongoDB, Express.js, React, Node.js with modern TypeScript implementation and real-time task tracking and role-based access control.
- Implemented Kanban board system with drag-and-drop functionality using RESTful APIs and JWT authentication.
- Created modular architecture with microservices for project management, team collaboration, and task tracking workflows.
- Integrated AI with RAG using Gemini-AI SDK & LLM models for intelligent project report generation & automated insights.

Olanthroxx - Ecommerce Platform

- Built comprehensive backend services using ASP.NET MVC and Web APIs with multi-user authentication system.
- Implemented scalable data architecture using SQL Server with Entity Framework for efficient data access.
- Developed RESTful APIs following industry best practices with proper error handling and comprehensive documentation.

Tic Tac Toe Q-Learning vs Deep Q Network

- Designed and implemented machine learning models for Q-Learning and Deep Q Network using Python, TensorFlow, and CUDA acceleration for strategic gameplay AI agents.
- Conducted performance analysis across 960,000+ training episodes with multiple hyperparameter configurations to optimize model performance using GPU-accelerated computing.
- Created comprehensive performance visualizations using Matplotlib and Pandas to identify optimal algorithm configurations and training convergence patterns.