

# 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

Aug 2025  
Fresno, CA

Master of Science, Computer Science

### GH Raisoni College of Engineering (GHRCE) – RTMNU

May 2021  
Nagpur, IN

Bachelor of Engineering, Computer Science Engineering

## 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.