

PROFESSIONAL SUMMARY

Results-driven Full-Stack Software Engineer with 2+ years of experience in developing scalable web applications, RESTful APIs, and cloud-based solutions using .NET, C#, React.js, and Azure. Skilled in distributed systems, secure software development, and Agile methodologies. Strong problem-solving skills with a continuous learning mindset, collaborating with senior engineers to tackle complex technical challenges. Pursuing a master's degree (2023-2025) in Electrical and Computer Engineering and a Bachelor's degree (2016-2020) in Telecommunications Engineering. Strong foundation in machine learning, data analytics, and embedded systems. Continuously explores emerging technologies and applies industry best practices in full-stack development.

EDUCATION

Master of Science in Electrical and Computer Engineering,

Aug 2023-May 2025

Wichita State University, Wichita, Kansas

Coursework: Machine Learning and AI, Data Science & Analytics, Operating Systems, Embedded Systems

GPA: 3.64

Bachelor of engineering, Telecommunications,

Aug 2016-July 2020

KS institute of technology, Visveswaraya Technological University, Belgaum, Karnataka.

SKILLS

Programming Languages: C#, JavaScript

Full-Stack Development: .NET (C#), React.js, RESTful APIs, Microservices

Software Development Practices: Object-Oriented Programming (OOP), Agile Methodologies, Test-Driven Development (TDD)

Distributed Systems: Microservices architecture, API-based communication, event-driven architecture

Cloud Computing: Azure, API Integration, Serverless Computing

Problem-Solving & Debugging: Performance optimization, code refactoring, VAPT remediation

Collaboration & Communication: Experience pairing with senior engineers, mentoring junior team members

Continuous Learning & Adaptability: Quick learner, explores emerging technologies

PROFESSIONAL EXPERIENCE

Teaching Assistant,

Jan 2023-Present

Wichita State University, Wichita, Kansas

- Delivered in-depth instruction in computer architecture, electronic circuits, and FPGA-based system design, focusing on bridging software and hardware concepts.
- Led hands-on lab sessions in C/C++ programming, assembly language, and multithreading, helping students debug complex issues and optimize performance.
- Mentored students on best coding practices, problem-solving techniques, and software optimization strategies, fostering a strong foundation for future software engineering roles.

Assistant System Engineer,

April 2021-July 2023

Tata Consultancy Services, Bangalore, Karnataka

- Designed and developed secure, scalable, and efficient distributed software applications for banking operations, ensuring compliance with industry regulations and security standards.
- Collaborated with senior engineers to enhance performance optimization and security best practices in full-stack development.
- Developed and maintained robust microservices-based APIs for seamless banking system integration, employing modern web technologies to enhance operational efficiency.
- Led VAPT (Vulnerability Assessment and Penetration Testing) remediation efforts, addressing identified vulnerabilities and strengthening cloud security on Azure.

Technical Support Engineer,

HP DOMESTIC, Bangalore, Karnataka

September 2020-March 2021

- Diagnosed and resolved **security-related issues** in endpoint devices, implementing robust solutions to prevent vulnerabilities.
- Delivered step-by-step troubleshooting support, ensuring timely and effective resolution of technical challenges.
- Documented support cases in CRM systems, maintaining accurate records and streamlining issue resolution processes.

PROJECTS AND PUBLICATIONS

Predicting Latency and Energy Consumption using ML Models in a Heterogeneous Edge Cloud Architecture:

Developed **machine learning models** using TensorFlow/PyTorch to predict **latency and energy consumption** in edge cloud environments.

- Model Development and Deployment:** Designed machine learning models to predict latency and energy consumption, with automated training and validation pipelines for efficient deployment in edge cloud environments.
- Data Preprocessing and Optimization:** Conducted extensive data preprocessing and feature engineering to enhance prediction accuracy and ensure robust model performance.

BIN Portal (Banking Domain, USA):

- Designed and developed **RESTful Web Services** for banking transactions using **Java & .NET C#**.
- Integrated **RPC APIs** for secure and fast inter-service communication.

VAPT Remediation (Banking Domain, USA): Conducted vulnerability assessments and implemented fixes for enterprise applications deployed on Azure cloud

Fingerprint Recognition and Its Advanced Features. *International Journal of Engineering Research and Technology (IJERT)*, Vol. 09, Issue 04, April 2020. Available at: <https://www.ijert.org/fingerprint-recognition-and-its-advanced-features>.

- Developed an **enhanced fingerprint recognition system** using optimized **pattern recognition algorithms**.
- Implemented **efficient indexing and retrieval mechanisms** for improved accuracy and performance

ACHIEVEMENTS

- On the Spot (Team) Award, Awards for excellence - Tata consultancy services. January 2022
- On the Spot (Team) Award, Awards for excellence - Tata consultancy services. July 2022
- Best Team Award, Award for excellence - Tata consultancy services. August 2022