

PROFILE SUMMARY

Software Developer and Tech Enthusiast with strong expertise in full-stack development, AI/ML, and cloud solutions. Proficient in building scalable applications using C#, Java and implementing RAGs. Experienced in automating workflows and integrating RESTful APIs. Adept at Agile collaboration, infrastructure optimization, and delivering AI-driven enterprise solutions for enhanced operational efficiency.

SKILLS

- **Programming Languages:** C, C++, C#, Python, JavaScript, Java
- **Machine Learning & AI:** Machine Learning (ML) Models, Large Language Models (LLMs), Deep Learning, NLP
- **Data Processing & Analysis:** Pandas, NumPy, Scikit-learn, Jupyter Notebooks
- **Cloud & DevOps:** CI/CD pipelines (GitHub Actions), AWS, Digital Ocean
- **API Development & Integration:** RESTful APIs, Swagger, Postman
- **Databases:** MongoDB, MySQL, PostgreSQL, SQL queries
- **Testing & QA:** Unit Testing
- **Tools & Platforms:** Git, VS Code, Azure Boards
- **UI/UX & Styling:** MudBlazor, CSS
- **Other Skills:** Cyber Security, Ethical Hacking, Linux, Unix, Networking

WORK EXPERIENCE

Software Engineer Trainee | WISEWORK, Bangalore | Feb 2025 – Sep 2025

- Integrated sophisticated function-calling capabilities with Large Language Models (LLMs), enabling the AI to interpret natural language queries and execute specific backend operations (like SQL queries and asset management functions).
- Developed and refined backend services using C# and .NET Core, specifically enhancing an AI-powered chat assistant for enterprise HR functionalities.
- Implemented robust security and data handling within API endpoints, including manual JWT token validation for SignalR communication to secure real-time interactions and dynamically manage user identities (EmpId).
- Engineered secure data access layers by implementing stringent sanity checks for dynamic SQL query execution, preventing unauthorized or malicious database operations (e.g., DML/DDL commands).
- Collaborated on debugging and optimizing data flow within the application, ensuring critical user context (like EmpId) is correctly propagated across services for personalized and secure AI responses.
- Created and tested Qdrant Vector Database for storing and retrieving embeddings to power RAG-based search.
- Built retry mechanisms for API rate limits, ensuring reliable long-running operations.
- Implemented chat formatting pipeline for Gemini and OpenAI responses to display consistently on the frontend.
- Conducted peer reviews, debugging, and integration testing to validate embeddings, retrievals, and AI responses.

Cyber Security and Digital Forensics Intern (Remote) | Cyber Secured India (CSI), India | Sep 2024 – Nov 2024

- Investigated and analyzed simulated cyberattacks using industry tools and frameworks, enhancing real-time threat detection and incident response capabilities.
- Utilized tools like Autopsy, FTK Imager, and Wireshark to conduct deep-packet inspections and forensic investigations of network intrusions.
- Gained hands-on experience with OWASP Top 10 vulnerabilities and exploited common web application flaws in a secure lab environment.
- Collaborated with security analysts in threat hunting, risk analysis, and SOC workflows using SIEM tools and MITRE ATT&CK framework
- Passed 3-hour machine pwning CTF challenge to receive certificate.

PROJECTS

WiseONE – AI-Driven HRMS Platform

- Developed **Spotlight-Search** feature to the HRMS platform to search data across the database.
- Implemented core AI conversational features (WiseONE Assistant) for **HRMS** platform, enabling LLMs to execute backend functions based on natural language queries.
- Developed secure data interaction layers for **AI-driven operations**, incorporating rigorous query validation to prevent unauthorized database modifications.
- Enabled personalized AI responses in real-time by securely processing user authentication tokens and propagating employee-specific identifiers across services.

Skills: C#, Vector DB, LLMs, RAG, Tool Calling

Wise Maestro – Enterprise AI Knowledge Platform (like Perplexity, for organizations)

- Spearheaded the integration of Google Gemini models alongside OpenAI, creating a multi-model RAG architecture for an enterprise knowledge platform.
- Enhanced vector database schema using Qdrant to power the RAG pipeline, enabling efficient storage and retrieval of text embeddings.
- Developed a resilient chat-formatting pipeline to ensure consistent UI rendering for responses from different LLMs (Gemini and OpenAI).
- Implemented robust retry mechanisms to handle API rate limits, ensuring the reliability of long-running AI operations.

Skills: C#, Vector DB, LLMs, Data Extraction, AI

Adaptive Security Operations Center

- **Automated** threat detection pipelines integrating Wazuh and VirusTotal with alert workflows.
- **Deployed** virtual machine instances in platforms such as Google Cloud, Digital Ocean, Amazon Cloud.
- **Orchestrated** workflows using Shuffle.

Skills: Firewall, Scripting, Linux, Wazuh, Shuffle, Cloud

CERTIFICATIONS

- AWS Prompt Engineering, AWS Skill Builder
- Google AI Essentials, Coursera
- Google Cybersecurity Specialization, Coursera
- EC-Council SQL Injection, EC-Council
- SWAYAM Soft Skills, NPTEL
- Cyber Security and Digital Forensics, CSI

EDUCATION

- **Bachelor of Engineering (CSE)** | Nitte Meenakshi Institute of Technology | 2021 – 2025 | **CGPA: 8.18/10**
- **PUC – 94.5%** | Sri Sathya Sai Loka Seva PU College, Alike, 2021
- **SSLC – 90.2%** | Sri Sathya Sai Loka Seva Vidya Kendra, Alike, 2019