



# Saravanan Narayanan

Software/AI ML engineer, Technical Lead

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github.com/saravatpt

## Key Skills

AI Agent	<div><div></div></div>
NLP	<div><div></div></div>
RAG	<div><div></div></div>
Python	<div><div></div></div>
MLOPs	<div><div></div></div>
Angular	<div><div></div></div>
Node JS	<div><div></div></div>
SQL	<div><div></div></div>
C#.NET	<div><div></div></div>
Copilot	<div><div></div></div>
DevOps	<div><div></div></div>
GitHub	<div><div></div></div>

## Career Objective

Seeking a Technical Lead or Engineering Manager role to drive high-impact AI and software initiatives, mentor teams, and build scalable, intelligent solutions.

## Professional Summary

Results-driven Software and AI/ML Engineer with 11+ years of experience in software development and 2+ years in building intelligent AI agents.

Proven expertise in full-stack development, AI/ML integration, and technical leadership. Strong analytical, problem-solving, and team management skills

Currently leading projects at Optum as a Technical Lead

- Leading team of 15 members, developed and deployed real-time automation & AI Agent solutions for claims processing.
- Upskilled and transformed the team into AI/ML Engineers through mentoring and strategic initiatives.
- Initiated AI/ML projects and presented POCs at CTO-level conferences, leading to organization-wide adoption.

## Skill Set

**Languages:** Python, JavaScript, C#.NET, VB.NET & C++

**AI ML:** Autogen, Langchain, Transformers, RAG, TensorFlow, ML Algorithms, NLP, OpenAI/GPT, VertexAI/Gemini, MLOPs, Docker etc.,

**Software:** .NET Core, ASP.NET, Web API, Azure Cloud, Angular, Node JS, WPF, Winforms, DevOps, GitHub

**Database:** NoSQL, Oracle, SQL Server, PL SQL

**Tools:** Visual Studio, Cursor, Copilot, Hugging face, Azure, GCP, SSMS, Toad

**Other Knowledge:** Android, UI Path, Teaching, Hardware and Networking etc.,

## Education

○ Master of Computer Applications (Distance Education), Anna University, Chennai, Tamil Nadu.  
2011-2014

○ Bachelor of Computer Science in Sacred Heart College, Tirupattur, Vellore, Tamil Nadu.  
2006-2009

## Experience



### Associate Manager, Software Engineering

2022-Present

#### XLHealth India (Optum), Bengaluru

I lead AI/ML initiatives and POC development, manage a cross-functional development team, and oversee end-to-end project delivery including requirements gathering, estimations, technical support, and code/document reviews.

Developed an AI Agent using Azure OpenAI, RAG, and NLP that automated medical claim reviews, increasing throughput by 100x and reducing manual review time by 80%

Developed a Browser Agent using Azure OpenAI, BrowserUse, and OpenCV to automate daily tasks in the claims portal, reducing manual effort by 50%.

Developed a SQL Agent using Azure OpenAI, Text2SQL, and NLP to help business stakeholders generate database reports through natural language prompts.

**Technologies Used: AutoGen, AzureOpenAI, NLP, BrowserUse, Copilot, Python, Vibe Coding, C#.NET, Web API, Angular, NodeJS, SQL, GIT, UI Path & DevOps**



### Lead Software Engineer

2019-2022

#### Conduent Business Services LLP, Bengaluru

eTIMS applications are used by US Govt to manage traffic and parking violations. Mainly used for ticketing, scanning, processing, printing, batch management etc.,

As a Lead Developer my role is to handle production issues, team handling, migrating eTIMS applications to newer technologies and enhancing application based on client requirements.

**Technologies Used: C#.NET, WinForms, WPF, Angular, NodeJS, SQL & GIT**



### Senior Software Engineer

2017-2019

#### Accenture Services Pvt Ltd, Bengaluru

August-2014 to Sept-2019

ATLAS is a commodity tool used in trading. My role as a developer was to work with the Application development team to develop the new enhancements which will help the client to deliver the better service for the users.

Telefonica - As part of Hard Migration requirement, Customers and Orders are freeze and then terminated in Siebel and same will be activated in SALCUS.

My role is to provide technical support, technical design, development, code review, production defects management, unit test, worked in client location (Germany) for few months etc.,

**Technologies Used: C#.NET, WinForms, TeamCity, ASP.NET, MVC, Web API & Services, Siebel CRM, VB6, Oracle & PL SQL**



### Software Engineer

2014-2017

## Languages Known

Tamil, English, Telugu & Kannada

## Hobbies

Travel, Music, Yoga, Movies, Astronomy & Playing with Kids