

# SRINATH VISLAVATH

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## SUMMARY

Full Stack Developer with 3+ years of experience designing and deploying secure, scalable applications across finance, banking, and AI-driven platforms. Proficient in C#, Java, Python, Node.js, and React, with a strong foundation in .NET, ASP.NET MVC, REST APIs, and SQL-based systems. Experienced in developing full-stack solutions using modern frameworks, integrating third-party APIs, and optimizing backend services for performance and reliability. Adept at working in Agile teams, managing cloud-based deployments on Azure and AWS, and applying DevOps practices through containerization with Docker. Passionate about delivering real-world impact through clean architecture, strong collaboration, and emerging technologies like AI and machine learning.

## EXPERIENCE

### Software Engineer Intern, Headstarter AI, USA

Jul 2024-Dec 2024

- Delivered 5 AI-based full-stack web solutions during a 6-month internship, boosting user engagement and performance at scale.
- Created an AI-powered pantry tracker using GPT Vision and Firebase, enabling users to generate recipes from uploaded food images.
- Designed and deployed a custom AI chatbot using LangChain RAG pipelines and Bedrock to handle live customer support queries.
- Built a portfolio site and collaborated on a project management dashboard with Google Analytics integration for user insights.
- Engineered an LLM benchmarking platform comparing GPT-4, LLaMA, and Gemma with real-time result visualization

### Software Engineer, Saint Cloud State University, USA

Aug 2023-Jul 2024

- Developed an innovative 3D Avatar Drone Navigation System using brain wave inputs, enhancing navigation efficiency by 40%.
- Integrated neural networks for brain wave interpretation, reducing signal processing errors by 25%.
- Utilized Docker for seamless deployment and Python for machine learning algorithms, improving system performance by 30%.
- Employed Neural Networks for accurate interpretation of brain wave data, increasing control precision by 25%.
- Optimized the system's real-time performance by implementing low-latency communication protocols between the brain-computer interface and drone hardware.
- Improved deployment scalability through containerization, ensuring the project could be deployed in various cloud environments.

### Full Stack Developer Infosys, Hyderabad, India

Aug 2021-Nov 2022

- Developed backend services using the FEBA framework for critical banking functionalities, improving system reliability by 30%.
- Created REST APIs to connect to third-party application servers for mobile and internet banking using Java and the FEBA framework.
- Implemented encryption and decryption logic to securely encode and decode request and response parameters for third-party integration.
- Led the development of front-end services using JSP, JavaScript, and AngularJS to enhance user experience across both Internet and Mobile Banking platforms.
- Developed REST APIs to fetch, view, and update user details, improving response time by 20%.
- Managed data migration procedures for bulk user data using Oracle SQL Developer, ensuring seamless system updates.
- Worked on service, transaction, and user modules, optimizing their functionality for better performance and reducing errors by 15%.
- Performed large-scale data dumps between databases using database links, improving data transfer speeds by 25%.
- Customized and fixed bugs in development modules according to client requirements, enhancing system reliability by 30%.

### Intern, Infosys, Hyderabad, India

Jan 2021 - Jul 2021

- Developed a Job Portal Web Application with ASP.NET and Angular, resulting in a 30% improvement in system scalability.
- Designed and deployed the application on Microsoft Azure, reducing operational downtime by 15%.
- Created APIs for efficient interaction between users and employers, improving application performance by 20%.
- Improved the application's front-end layer using JavaScript, HTML5, CSS, and Bootstrap, leading to a 25% increase in user engagement.
- Collaborated with the team on integrating Microsoft Azure cloud services enhancing application scalability.
- Reduced data retrieval time by 15% through optimized database queries.
- Assisted in implementing security measures for the application, ensuring data privacy and integrity during job search.

## SKILLS

**Languages:** Java, Python, C++, C#, SQL, PL/SQL.

**Backend:** REST APIs, Django, Flask, Node.js, Vue.js, Spring Boot, ASP.NET MVC.

**Frontend:** HTML5, CSS3, JavaScript, AngularJS, ReactJS, Bootstrap.

**Soft skills:** Collaborative, Teamwork, Problem Solving, Time Management, Adaptability, Communication.

**Database:** PostgreSQL, Oracle, MySQL, Redis, MongoDB, SQL Server.

**Tools:** GIT, Docker, Jira, Visual Studio Code, Firebase.

**Operating System:** Windows, Linux, MacOS.

**Cloud:** AWS, Microsoft Azure. GCP (Cloud Run, Firestore, Pub/Sub - basic exposure)

**Methodologies:** SDLC, Agile, Waterfall, Scrum.

**Machine Learning:** TensorFlow, KNN, Random Forest, Decision Trees, Neural Networks, NLP

## EDUCATION

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### Master's of Science in Computer Science,

Saint Cloud State University, Saint Cloud, MN, USA. GPA: 3.9/4

Jan 2023 – July 2025

### Bachelor of Engineering in Information Technology,

Chaitanya Bharati institute of technology, Hyderabad, India. GPA: 3.5/4

Aug 2017 – Jun 2021

## CERTIFICATION

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- Software Programmer Infosys certificate by INFYTQ.
- Internship completion certificate in Microsoft Stack by Infosys Ltd.
- Django Camp v2.0 certification by CBIT.
- Database and SQL developer Coursera certificate by IBM.
- Machine Learning Internship Certification by Cognifront.

## PROJECTS

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### • NLP Spell Checker with BERT/GPT:

Feb 2024 -May 2024

- Developed an advanced spell-checking application leveraging pre-trained transformer models (BERT and GPT) to deliver highly accurate, context-aware spelling suggestions. The project involved fine-tuning these models on both generalized datasets (Wikipedia, Aspell) and specialized domain-specific datasets (e.g., Computer Science) to improve accuracy and adapt to academic language nuances.
- Built a user-friendly web interface with Flask and HTML/JavaScript, allowing real-time spell checking and visualization. Achieved up to 98% accuracy in predictions, significantly outperforming traditional rule-based spell checkers. Focused on enhancing usability for St. Cloud State University students by creating an open-source, customizable, and secure solution that avoids common drawbacks of commercial tools (cost, ads, limited customization). The project showcased the integration of deep learning, NLP, and user-centered design to improve writing quality and academic communication

### • Transportation Events:

Oct 2023 – Dec 2023

- Designed and developed a full-stack web application to analyze urban transportation event data. The project involved importing and parsing large XML datasets representing city road networks and transportation events, storing them in a relational database, and building RESTful APIs for interactive data querying.
- Users could search events by person or link IDs, explore detailed link attributes, and analyze patterns like travel distances, departure times, and activity completion times. The application provided data-driven insights into transportation dynamics and supported better understanding of urban mobility through a user-friendly interface.