HARSHITHA THOTA

+1 317-993-1107 | harshitha.thota@slu.edu | LinkedIn

PROFILE SUMMARY:

Software Engineer with 2+ years of experience building scalable full-stack applications and AI-driven systems. Specialized in microservices architecture and API optimization, with proven ability to reduce system latency and lead cross-functional teams to deliver high-impact solutions across financial and healthcare domains.

TECHNICAL SKILLS:

- **Languages:** Java, Python, C++, JavaScript, TypeScript
- **Frameworks:** Spring Boot, React.js, Node.js, Flask
- **Databases:** PostgreSQL, MongoDB, MySQL
- **Tools:** Git, Docker, Kubernetes, Jenkins, Splunk, Postman, Maven, IntelliJ, VS code, Power BI
- **Cloud:** AWS (EC2, S3)
- **Architecture:** Microservices, REST API

PROFESSIONAL EXPERIENCE:

➢ **AI Software Engineer Intern | Resilience, Inc.** **Aug 2024 - Dec 2024**

- Developed user-facing features for AIMEE AI app using Firebase, enabling secure authentication for 5,000+ users.
- Integrated cross-platform APIs, reducing data retrieval time by 15% through optimized queries.
- Collaborated with product teams to resolve 30+ technical issues, enhancing app stability.

➢ **System Engineer | Infosys, Hyderabad, India | Sep 2021 – Jul 2023**

- Designed and developed high-performance APIs for WPB Core Banking Project using Spring Boot, supporting 10,000+ daily transactions across financial services.
- Migrated 20+ MuleSoft APIs to Spring Boot for SABB project, integrating SAPI and PAPI with RESTful and SOAP APIs in a microservices architecture.
- Automated CI/CD pipelines with Jenkins for banking applications, reducing deployment time by 30% and enabling weekly releases.
- Enhanced application performance using Splunk, identifying and resolving 50+ bottlenecks across WPB and SABB projects, improving response times by 15%.

PROJECTS:

➢ **Dynamic Sports League Website**

- Created a TypeScript-based website with features like standings, schedules, and player login.
- Enabled organizers to update match schedules and manage rosters.
- Designed a responsive UI for optimal cross-device functionality.

➢ **Real-Time Classroom Feedback Polling System**

- Built a feedback system using Node.js, React.js, Socket.IO, and MongoDB.
- Implemented QR code functionality for seamless student participation.
  Developed role-based authentication for secure access and data privacy.

- **Flight Simulator Data Synchronization Project**

  - Led development of real-time data synchronization system with 99.9% reliability using C++ and TCP/IP.
  - Integrated flight simulator data with iMotions platform, enabling advanced pilot training analytics.
  - Managed client communications, conducted team retrospectives, and mentored three undergraduate developers.

- **Global Online Gaming Anxiety Study**

  - Analyzed survey data to explore the correlation between online gaming and mental health.
  - Applied machine learning models to predict life satisfaction, achieving 85% accuracy.
  - Utilized feature selection techniques to identify key predictors like GAD and SWL scores.

- **Population Health Insights Dashboard**

  - Developed full-stack dashboard to analyze patient demographics, disease trends, and hospital resources, processing 144,518 encounters and $1.2B in claims.
  - Built interactive charts (HRI bar, cost pie) and filters, enabling health officers to identify high-risk groups and optimize costs.
  - Implemented CSV report exports, reducing stakeholder reporting time by 50%.

EDUCATION:

- **Master of Science in Computer Science** **2023-2025**
  Saint Louis University, St. Louis, MO

- **Bachelor of Science in Computer Science** **2021-2023**
  Bhoj Reddy Engineering College for Women, Hyderabad, India

CERTIFICATIONS:

- Completed training on machine learning and artificial intelligence concepts with Innovians Technologies (June 2019).