

# JAYANTH GOWDA RAMANNA

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## PROFESSIONAL SUMMARY

Experienced Full Stack Developer & AI engineer with a strong track record in startups and enterprise projects. Skilled in building Scalable web apps and deploying AI solutions using LLMs, ML models, and AI agent orchestration on AWS and Azure, and .NET. Thrive in Agile teams, delivering fast, reliable, and production ready software.

## EDUCATION

### Western Michigan University

Aug 2023 - Apr 2025

Master of Science, Computer Science

•GPA: 3.7/4

## EXPERIENCE

### Enterprise AI Trainee

Jul 2025 - Present

Fundae Software Inc. | Remote (USA)

- Gaining hands-on experience in NLP, RLHF, Digital twins, and AI agent orchestration.
- Building and deploying AI workflows using Azure OpenAI, AKS, Logic Apps, and enterprise cloud infrastructure.
- Built RAG pipelines combining LLMs with document search to enhance enterprise NLP systems.
- Applied knowledge graphs and entity linking techniques using Neo4j in AI workflows.
- Working with structured and unstructured data to design production-ready AI solutions.

### AI-Native Developer Intern

Jul 2025 - Present

Chinchilla AI Academy | Remote (USA)

- Delivered 4+ production-ready full-stack apps using React, TypeScript, and AWS Amplify Gen 2.
- Integrated GraphQL APIs, Cognito authentication, and Lambda functions for scalable cloud deployment.
- Applied AI-first development tools like Claude CLI and ChatGPT to accelerate builds and debugging.

### Software Engineer

Jul 2025 - Present

G2i Inc. | Remote (USA) | Contract

- Built scalable React and JavaScript components aligned with DevOps and agile workflows.
- Designed prompts and test rubrics to enhance AI-generated code quality and validation.
- Streamlined debugging and code reviews, improving frontend performance and CI/CD efficiency.

### AI and Machine Learning Intern

Oct 2023 – Mar 2024

Green Expectations LLC | USA

- Built an AI-driven chatbot using Python and NLP for real estate recommendations, handling 100+ user interactions/month.
- Enhanced NLP model accuracy by 40% to streamline query resolution in an agile environment.
- Optimized backend ML workflows for 99.9% uptime and secure deployment using DevOps best practices.

### Software Engineer

Jun 2022 - Aug 2023

Nano Robotics Embed Technologies

- Engineered and deployed embedded software with Python/C for IoT devices, enhancing system integration and reliability.
- Collaborated with cross-functional hardware teams to improve system responsiveness by 25%.
- Reduced runtime errors by 30% by streamlining deployment pipelines and enhancing debugging processes.

## PROJECTS

### Emotional Support Chatbot ([Github link](#))

- Developed a real-time chatbot using GPT-3.5 and NLP to provide empathetic conversation with speech synthesis.
- Designed full-stack architecture enabling scalable interactions and reducing response latency by 20%.
- Improved text interpretation accuracy by 15% using POS tagging, regex, and n-gram modeling.

## SKILLS

- **Languages & Databases:** Python, Java, C, C#, JavaScript, TypeScript, HTML, CSS, SQL, MySQL, MongoDB, PostgreSQL
- **Frameworks & Libraries:** ReactJS, Node.js, Flask, FastAPI, TensorFlow, PyTorch, ASP.NET, OpenCV, NumPy, NLTK, SpaCy
- **Cloud & DevOps:** AWS, Azure, Google Cloud, Docker, Kubernetes, CI/CD (Jenkins, GitHub Actions), Terraform
- **Software & Tools:** Git, GitHub, Bitbucket, JIRA, VS Code, Android Studio, MySQL Server, Anaconda, Streamlit

## CERTIFICATIONS

- Core Java, Web Technology, and SQL JSpiders Training and Development Center.
- Cross-Platform Mobile App Development ATS Learning Solutions.