

NAGARAJ KAMATAR

AI Software Developer | NLP, LLMs & Cloud Integration

AI Software Developer specializing in NLP, LLMs, and cloud integration. Experienced in building intelligent automation and insight platforms using Python, Lang Chain, Open AI, and AWS. Skilled in developing scalable AI solutions that enhance analytics, efficiency, and user experience.

EXPERIENCE

- Front-End Development Intern – Innobyte Service - Feb 2024 – Mar 2024
- Designed and developed responsive web components using HTML, CSS, JavaScript, and modern frameworks to deliver a seamless user experience across devices.
- Implemented dynamic forms, interactive calendars, and secure user authentication, enhancing the overall functionality of the application.
- Improved application performance by reducing load times and optimizing image compression, resulting in faster and more efficient user interactions.
- Collaborated with a team of developers in an agile environment, participating in code reviews, peer programming, and daily stand-up meetings.
- Utilized Git/GitHub for version control, maintaining clean and structured repositories, and contributing to collaborative development workflows.
- Gained hands-on experience in front-end best practices, debugging, and troubleshooting, while also learning to adapt quickly to new technologies.

PROJECTS

AI Knowledge Assistant for Client Insights

- Objective: Built an AI-driven NLP platform to analyze client communications and evaluate LLMs.
- Implementation: Used Python, Lang Chain, OpenAI API, spCy, and Hugging Face with Streamlit and FAISS.
- Contribution: Developed summarization, sentiment, and LLM evaluation (ROUGE, BERT Score) modules.
- Outcome: Reduced manual reporting time by 40% and improved analysis consistency.

AI-Powered Sentiment Analysis API

- Objective: Develop an API that analyses text sentiment using NLP model hosted on AWS.
- Implementation: AWS Sage Maker for model hosting, API Gateway for endpoints, Lambda for preprocessing, and Cloud Watch for monitoring.
- Outcome: Built a scalable NLP API leveraging Sage Maker and AWS server-less stack.

Image Recognition App using AWS Recognition

- Objective: Build an app that detects objects or faces in uploaded images.
- Implementation: AWS Recognition for image analysis, S3 for storage, and API Gateway for serving results.
- Outcome: Practical application of AI/ML and cloud integration.

PATENT

Application Number : 202541093092

Title of innovation : System and method for configurable trust based transaction execution using playbook

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EDUCATION

2024–2026	MCA – RNS Institute of Technology Bengaluru, Karnataka
2021–2023	BCA – KLE JTF College Gadag, Karnataka
2021	Pre-University – KLE JTF Arts, Commerce & Science Gadag, Karnataka

CERTIFICATIONS

Mar 2024	Cloud Certificate PayPal
May 2025	Geospatial AI & IoT Udemy
Aug 2025	ML for Geospatial Analysis Udemy
Aug 2024	Full-Stack Web Development Udemy
Sep 2025	Build Your NFT Game on WAX Udemy
Oct 2025	Home Automation Projects with NodeMCU ESP8266 & iOS Udemy

PERSONAL SKILLS

- Persistence
- Communication
- Continuous Learning
- Teamwork
- Time Management
- Critical Thinking
- Leadership
- Problem Solving
- Active Listening
- Self-Motivation
- Discipline
- Flexibility

KEY SKILL

- Programming Languages: C++, Python, PHP, JavaScript, Typescript
- Frameworks & Libraries: React.js, Node.js, Express.js, jQuery
- Web Development: HTML5, CSS3, Tailwind CSS, Responsive Design
- Databases: MySQL, MongoDB
- Cloud & DevOps: AWS basics, Cloud Deployment, CI/CD pipelines
- Tools & Platforms: Git, GitHub, Postman, Figma, VS Code
- Data & Analytics: SQL queries, Data Structures & Algorithms, JSON handling