NAGENDRA KUMAR K S

Full Stack Developer | AI Enthusiast

Email: nagendrakumarkssumu@gmail.com Phone: +91 9742970382

LinkedIn: www.linkedin.com/in/nagendrakumarks GitHub: https://github.com/Nagendra2k00

SUMMARY

Full Stack Developer with 1.8 years of experience building scalable, high-performance applications using Node JS, React, Next.js, and Python. Hands-on expertise in AI integration (OpenAI API), database design, workflow automation (n8n), and unit testing. Proven ability to deliver end-to-end solutions, optimize performance, and collaborate in agile teams. Strong foundation in data structures, algorithms, and distributed systems concepts. Passionate about delivering customer-centric solutions at scale.

TECHNICAL SKILLS

- **Languages: Node** JS, Express JS, Java, Python, JavaScript, SQL, C, HTML, CSS
- **Frameworks & Libraries:** Spring Boot, Hibernate, React, Next.js, NumPy, pandas, matplotlib, seaborn
- **Tools & Platforms:** Git, GitHub, Postman, IntelliJ, VS Code, Jupyter, Anaconda, Eclipse, STS
- **Concepts:** REST API Development, MVC Architecture, Database Migrations, Unit Testing, Agile Development, DataStructures and Algorithms.

PROFESSIONAL EXPERIENCE

Full Stack Developer | Curatal | Aug 2023 – Present
- Integrated OpenAI API into the platform for AI-driven content generation and automation.
- Designed and optimized relational database schemas to support scalable feature growth.
- Developed and maintained full-stack features using Node JS, ExpressJS, React, Next.js.
- Built and automated n8n workflows to enhance operational efficiency.
- Implemented unit and integration tests ensuring code reliability and maintainability.
- Participated in code reviews, sprint planning, and architectural discussions.
- Improved page load speed by 25%, Reduced API response time from 500ms to 200ms, Cut deployment errors by 15%, optimized SQL queries, API Security

Web Developer | CodeYoung | Feb 2024 – Nov 2024
- Developed and optimized UIs using React & Next.js, reducing load time by 25%.
- Implemented Next.js SSR and React Hooks, boosting SEO and rendering speed.
- Resolved critical bugs and contributed to production deployment pipelines.

Machine Learning Intern | Indigeneous Tech Pvt Ltd | Nov 2023 – Dec 2023
- Developed a Lasso regression model for room price prediction.
- Utilized NumPy, pandas, matplotlib, seaborn for data processing and visualization.
- Conducted model training and evaluation to improve prediction accuracy.

PROJECTS

Scene Classification with Grad-CAM Visualization
- Built a ResNet18-based deep learning model using TensorFlow/Keras for scene classification (92% accuracy).
- Deployed with TensorFlow Serving for real-time inference.

Image Noise Reduction using Autoencoders
- Developed an autoencoder model to denoise MNIST images, improving classification accuracy.
- Built an interactive Streamlit app for real-time visualization.

Cohort Analysis using Machine Learning
- Conducted customer retention cohort analysis.
- Created heatmaps, bar graphs, and pie charts for trend visualization.

EDUCATION

Master of Computer Applications **|** Rajarajeshwari College of Engineering **|** 2024
Bachelor of Science (Physics, Mathematics, Electronics) **|** Vijaya College **|** 2021

CERTIFICATIONS & ACHIEVEMENTS

- Java Full Stack – JSpiders
- Programming in Java – NPTEL
- Python – Infosys Springboard
- Ranked 1232th in Google CodeJam 2023
- 1st Place in Debugging Competition at RRCE

DECLARATION

I hereby declare that the information furnished above is complete and true to the best of my knowledge.