NAGA VISALA SREEJA AKELLA

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Professional Summary

Results-driven Software Developer with 1 year of experience building robust web applications using Java and Spring Boot. Skilled in writing clean, maintainable code and implementing innovative solutions to complex problems. Passionate about learning new technologies and continuously enhancing development workflows.

Education

Neil Gogte Institute of Technology   *Aug 2020 – June 2024*
Bachelor of Engineering in Computer Science

- GPA: 8.23

Experience

Software Engineer   *July 2024 – Present*
National Informatics Center

- Gathering and analyzing requirements for services in the NRTS application using Java, Spring Boot, and PostgreSQL.
- Built and maintained REST APIs for features like user login, registration, and form handling using Spring Data JPA with MySQL/PostgreSQL.
- Designed and implemented **Form Designer** – a comprehensive web-based form builder application using Spring Boot and Thymeleaf.
- Integrated advanced features such as **multi-language support, version history, validation rules, payment integration, and component management**.
- Ensured scalability, maintainability, and seamless user experience through modular architecture and backend optimizations.

Projects

Smart Email Assistant Using Spring Boot & Spring AI

- Built an email assistant using Spring Boot, Spring AI, and React to generate AI-powered responses.
- Integrated Gemini API for response tone customization.
- Enabled dynamic personalization of email replies for contextual accuracy.
- Designed a responsive front end in React for seamless user experience.

Movie Recommendation System

- Built a content-based movie recommender using cosine similarity.
- Implemented recommendation logic to suggest top 5 movies based on user selection.
- Extracted features like genre, cast, crew, and keywords from metadata.
- Applied weighted rating strategy to improve recommendation quality.

Food Ordering App – UI/UX Design

- Designed a mobile-first food ordering app using Figma.
- Created user personas, low and high-fidelity wireframes, and interactive prototypes.
- Focused on intuitive navigation and consistent design patterns.
- Ensured mobile responsiveness and optimized user experience.

Live API Data Integration: Real-Time Dashboards with Python & Power BI

- Built a live, interactive dashboard showing global statistics (health, education, employment) using Python & Power BI.

- Automated data fetching and processing from a public API for real-time updates.
- Created live Power BI integration, enabling automatic dashboard refresh without manual intervention.
- Designed intuitive visualizations (charts, graphs) to analyze trends across countries and regions.

Technologies

Languages: Java, Python, SQL (PostgreSQL), JavaScript, HTML/CSS, React

Frameworks: Spring Boot, Spring Core

Tools: Power Bi, Git, VS Code, Visual Studio, PyCharm, IntelliJ IDEA, Eclipse, Figma

Certificates

- Data Analysis using Power BI(Campus X) – 2025
- Python for Data Science, AI & Development – Coursera, 2025

Research Papers

- Real-Time Vehicle Number Plate Detection and Recognition Using YOLOv5 and OCR ↗