Royson Dsouza

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PROFESSIONAL SUMMARY

Dedicated Computer Science Engineer with strong skills in software development, problem-solving, and database management. Seeking to contribute and collaborate with a team and apply expertise in coding and automation. Aiming to drive innovation and efficiency in software solutions.

INTERNSHIPS

Vision Flow Technologies   **Feb. 2025 – May. 2025**
Full-stack developer (Intern)
- Developed and maintained MERN stack web applications with seamless frontend-backend integration.
- Implemented API endpoints, optimized database queries, and improved UI/UX for enhanced user experience.

Codelab Systems   **Oct. 2023 – Nov. 2023**
Front-end developer (Intern)
- Collaborated with software engineers to develop and test application procedures for system efficiency.
- Demonstrated time management, organizational skills, prioritization and planning skills by successfully handling tasks and projects.

PROJECTS

AyurSkin.ai: Deep Learning for Skin Disease Detection with IKS-Based Remedies   ∞ Link
- Built a CNN model to predict skin diseases (e.g., Acne, Eczema, Melanoma) with a comparative study on ResNet and other architectures.
- Designed a Flask-based webpage for users to upload skin images, predict diseases, and receive IKS-based remedies.

Orion Agent: AI Assistant Powered by Gemini & LangChain   ∞ Link
- Built a Flask backend AI agent using Google's Gemini and LangChain, integrating tools like weather, wiki search, web scraping, file handling, media downloads, calendar, and email automation etc.
- Created a sleek, interactive React frontend with Vite, enabling real-time conversations and smooth user experience through seamless frontend-backend communication.

WorldExplorer: AI-Powered Smart Travel Planner   ∞ Link
- Built a MERN stack web app that uses AI to suggest tourist attractions, restaurants, and hotels based on user preferences like location, interests, budget, and duration.
- Integrated interactive maps and dynamic route planning with a visually rich React + Tailwind + Framer Motion UI, delivering a complete travel blueprint in real-time.

EDUCATION

B.E (Computer Science) | 9.03 St Joseph Engineering College	2023-Present
Diploma (Mechanical Engineering) | 79.80% SNM Polytechnic College	May 2022
PUC (XII) |60% Sacred Heart P U College	May 2019
SSLC (X) | 72.80% Holy Redeemer English Medium School	April 2017

CERTIFICATES

- Programming Foundations with JavaScript, HTML and CSS | Coursera
- 100 days of code: The complete Python Pro Bootcamp | Udemy
- Project Management Fundamentals | Coursera

SKILLS

Technical Skills: Python, Java, Web Development (HTML/CSS/JavaScript), React.js, Tailwind CSS, Express.js, Flask, MySQL, MongoDB, Git
Soft Skills: Teamwork, Adaptability

https://github.com/RoysonDsz   in www.linkedin.com/in/royson-dsouza17