Ganesh Krishna Doss

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SUMMARY

Software developer with a strong focus on AI and deep learning. I enjoy building smart, efficient systems that solve real problems and improve user experience. With a solid grasp of mathematical algorithms and scalable design, I'm driven to create solutions that make a difference. Excited to connect and discover how AI can drive meaningful change!

EDUCATION

B.E. Computer Science and Engineering

Sri Sairam Engineering College • Chennai, Tamil Nadu • 2025 • 8.54 (Scale of 10)

Higher Secondary

Chinmaya Vidyalaya • Chennai, Tamil Nadu • 2021 • 97.6 %

EXPERIENCE

Intern (Zoho CRM)

Zoho Corporation, Estancia IT Park   **February 2025 - Present**

- Built and optimized RAG applications using LangChain and Groq for accurate real-time data retrieval.
- Developed OCR-based text extraction and translation, ensuring proper text alignment and layout.
- Integrated DeepL and Qwen models to improve multilingual translation accuracy.
- Tested and refined the applications to boost performance and user experience.

Chairman

IEEE ITS Society SB Chapter, Sri Sairam Engineering College   **June 2024 - Present**

- Leading initiatives to promote intelligent transportation systems through events, workshops, and collaborations.
- Coordinate with faculty and industry experts to provide valuable learning opportunities for students.

Vice Chairman

IEEE Student Branch, Sri Sairam Engineering College   **May 2024 - Present**

- Driving initiatives to foster innovation, professional growth, and community engagement among students.
- Committed to empowering future engineers and promoting excellence in STEM education

Intern (Zoho Projects)

Zoho Corporation, Estancia IT Park   **May 2023 - June 2023**

- Collaborated on a team to design and implement web applications using modern technologies.
- Developed responsive user interfaces and enhanced user experience.
- Conducted testing and debugging to ensure application quality.
- Received positive feedback for delivering high-quality code and effective teamwork.

PROJECT

IT Subdomain Classification and Optimization with RAG and LLM

Zoho Corporation • github.com/DarkGladiator7/Learning-RAG

- Developed an agent-supervisor framework using LLMs to classify and optimize IT subdomain data. The agent autonomously extracts and structures subdomain details, while the supervisor ensures consistency by intelligently merging technical and industry-specific skills.

Multilingual OCR with Seamless Translation and Layout Retention

Zoho Corporation • github.com/DarkGladiator7/ocr_recog

- Developed a multilingual OCR system using Python, OpenCV, and PyTesseract to extract and translate text from images while preserving layout. Integrated Qwen and DeepL APIs for accurate language detection and translation.

A Deep Learning Based Detection and Classification of Gastrointestinal Diseases

Sri Sairam Engineering College • github.com/DarkGladiator7/gastrointestinaldiseaseprediction

- Developed a Python-based deep learning system using Convolutional Neural Networks (CNN) to detect and classify gastrointestinal diseases from medical images.

Resilient Coastal Management for Southeast Asia

Universiti Teknologi PETRONAS, Malaysia

• A pioneering initiative leveraging blockchain technology to fund coastal resilience projects while offering transparent carbon credit transactions, empowering corporate sustainability and environmental stewardship.

Modern Ecommerce Website
Zoho Corporation • ecommerce-website-hazel-three.vercel.app/
• Implemented a sleek and intuitive user interface to enhance the online shopping experience, enabling seamless product browsing, secure transactions.

Expense Tracker
Zoho Corporation • expense-tracker-alpha-ten.vercel.app/
• Developed a user-friendly Expense Tracker application to effectively manage personal finances with intuitive features, including expense recording, categorization, and visual representation of spending patterns.

Library Management System
Chinmaya Vidyalaya • github.com/DarkGladiator7/MagLibraryManagement
• A user-friendly application designed to efficiently manage library operations. It offers various features in a streamlined approach for efficient library administration.

SKILLS

Programming Languages: C, C++, Python, Java, JavaScript

Database Management: SQL, MongoDB

Web Development: React JS, Next JS, Git, GitHub, HTML, Tailwind CSS, Firebase, Node JS

Experience with Python and ML Libraries: LangChain, Pytesseract, NumPy, Tensorflow, Keras, Pandas, OpenCV, Matplotlib, Scikit-learn

Design Tools: Canva, Adobe Photoshop, Premiere Pro, After Effects

INVOLVEMENT

UI/UX Designer
Sri Sairam Engineering College • Design Club • December 2023 - Present
• Crafted visual materials to support various club's initiatives and activities.

Coordinator
Sri Sairam Engineering College • Google Developer Student Clubs • August 2023 - Present
• Event planning, workshop organization, and actively contributed to various related tasks.

Volunteer
Sri Sairam Engineering College • TEDx • December 2023 - December 2023
• Contributed to the design team and serving as the exclusive video editor from the inception of the event.

CERTIFICATIONS

Convolutional Neural Networks
Coursera • 2023

Neural Networks and Deep Learning
Coursera • 2023

Learning Git and GitHub
LinkedIn • 2023

Artificial Intelligence Foundations: Machine Learning
LinkedIn • 2022

Machine Learning with Python: Foundations
LinkedIn • 2022

Python Basics for Data Science
edX • 2022

Introduction to Data Science
edX • 2022