

# Ganesh Krishna Doss

📍 Chennai, Tamil Nadu, India ✉ ganeshkrishnadoss@gmail.com ☎ +91 8610497310 🔗 in/ganeshkrishnadoss 🌐 ganeshkportfolio.vercel.app

## EDUCATION

### B.E. Computer Science and Engineering

Sri Sairam Engineering College • Chennai, Tamil Nadu • 2025 • 8.52 (Scale of 10)

### Higher Secondary

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

## EXPERIENCE

### Intern (Zoho CRM)

Zoho Corporation, Estancia IT Park

February 2025 - April 2025

- 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 - April 2025

- 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 - April 2025

- 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](https://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](https://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](https://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/](https://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/](https://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](https://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.

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## SKILLS

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

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

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## INVOLVEMENT

### UI/UX Designer

Sri Sairam Engineering College • Design Club

- Crafted visual materials to support various club's initiatives and activities.

### Coordinator

Sri Sairam Engineering College • Google Developer Student Clubs

- Event planning, workshop organization, and actively contributed to various related tasks.

### Volunteer

Sri Sairam Engineering College • TEDx

- Contributed to the design team and serving as the exclusive video editor from the inception of the event.

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## CERTIFICATIONS

### 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