GAGAN S

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OBJECTIVE

Full Stack Developer with hands-on experience in Django, Django REST framework, and MERN Stack. Proficient in modern web technologies, with a proven ability to design and implement robust solutions that enhance user experience and drive business growth. Eager to collaborate with a progressive company to refine my coding skills and contribute to impactful projects.

EDUCATION

B.E. Information Science and Engineering, Dayanand Sagar College of Engineering   Expected 2024
CGPA: 9.70

B.Sc. Data Science and Programming, Indian Institute of Technology-Madras   Expected 2025
CGPA: 7.40

SKILLS

Languages:	Python, Java, JavaScript, GoLang
Technologies/Frameworks:	Django, ReactJS, NodeJS, ExpressJS, MongoDB, NextJS, Flask, Jinja2, React Native, MySQL, PostgreSQL, SQLite3
Tools:	VS Code, Git, Docker, Postman

EXPERIENCE

Full Stack Engineering Intern   July 2024 – Present
Indee   *Bangalore*

- Integrated Stripe payment gateway for seamless payment processing within the application.
- Utilized AWS Lambda to trigger event-based callbacks, automating responses to specific application events.
- Employed Celery and Celery Beat to manage and schedule asynchronous tasks, improving task processing efficiency.
- Strengthened application security by refining how data is accessed and referenced, promoting safer handling of sensitive information.
- Technology used: Python, Django, AWS-Lambda, Redis, Celery

QA Intern   January 2024 – June 2024
iManage   *Bangalore*

- Created comprehensive test plans, test cases, and test scripts to ensure thorough test coverage and traceability.
- Identified, documented, and tracked issues, defects, and bugs discovered during testing.
- Developed reusable Python utilities and authored YAML scripts for data generation, facilitating efficient product testing.
- Technology used: Python, YAML

PROJECTS

Pratyaksh Github | Website

- Pratyaksh offers a solution that combines Geographic Information Systems (GIS) and Digital Image Processing for real-time progress tracking of infrastructure development.
- Developed a user friendly mobile application to track the daily progress of the infrastructure.
- Technology used: React Native, ReactJS, NodeJS, Flask, FastAPI

TrackLeaf [Github](#) | [Website](#)

- Developed an effective inventory management system for ensuring the seamless flow of resources while optimizing costs and reducing waste.

- Generated unique IDs and associated them with QR codes to enable precise tracking of inventory.

- Implemented a robust role-based access control system with JWT token authentication and employed data visualization through graphs to provide insightful inventory representations.

- Technology used: MongoDB, ExpressJS, ReactJS, NodeJS

LearnZ - E-Learning platform [Github](#) | [Website](#)

- An all-in-one E-learning platform for students and teachers with features like quizzes, syllabus management, and online lecture delivery to enhance the educational experience.

- Implemented a Natural Language Processing (NLP) model for automatic video recommendations on YouTube based on the content of the uploaded syllabus, enhancing the user experience.

- Technology used: HTML5, CSS3, JS, Python, SQLite3, Docker

EXTRA-CURRICULAR

- Served as a member of the technical team for **Team Arcis**, the official aero design team of DSCE.

- As the **Lead of the Genesis Student Forum**, successfully organized and executed multiple impactful events, including blood donation camps, dental camps, and various socio-cultural events.

- Led the planning and execution of two 24-hour hackathons called "**Hackman**," fostering innovation, collaboration, and technical skill development among participants.

- Part of the **WebOps team of Paradox**, an annual techno-cultural-sports fest organized by IIT Madras BS Degree Program students, responsible for developing and maintaining the event's website.

AWARDS

- Participated in the prestigious Smart India Hackathon 2023 and was declared **Winner of SIH 2023** for developing a real-time monitoring solution for infrastructure development.

- Achieved **19th global ranking for the Technical Design Report** in the AIAA 2022 Design Build Fly Competition.

- Ranked **7th in the Department of ISE** for the DSCE 2024 graduating class.