GAGAN S

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OBJECTIVE

Results-driven Information Science student from Dayananda Sagar College of Engineering passionate about developing user-friendly software applications. Excellent problem-solving skills and ability to perform well in a team. Seeking to help the company develop their product as a software engineer, as well as grow and develop my own skills as a coder.

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:	Java, Python, HTML5/CSS3, JavaScript
Technologies/Frameworks:	ReactJS, NodeJS, ExpressJS, MongoDB, NextJS, Flask, Jinja2, React Native, GoLang, MySQL, SQLite3
Tools:	VS Code, Git, Docker, Postman

EXPERIENCE

Project Intern — April 2023 – July 2023
Nokia — *Bangalore*

- Worked on the project, Automatic UT generation using AI/ML for languages: C, C++ and Python, through a University Connect Programme.
- Developed scripts that generate a unit test file for any provided source file.
- The developed script was capable of performing variable, function, and object mocking for the given input file.

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 ACTIVITIES

- Participated in the prestigious Smart India Hackathon 2023 and were declared **Winners SIH 2023** for the development of a real-time monitoring solution for infrastructure development.
- Served as a member of the technical team at Team Arcis, the official aero design team of DSCE and secured the **19th global ranking for the Technical Design Report** in the AIAA 2022 DBF Competition.
- As the **Lead of Genesis student forum**, successfully organized and executed multiple impactful events, including blood donation camps, dental camps and several other socio-cultural events.
- Led the planning and execution of two 24-hour hackathons called "Hackman", fostering innovation, collaboration, and technical skill development among participants.