GAGAN S G

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Experience

Freelance Software and Systems Engineer   *Jan 2025 to Present*
- Designed, developed, and deployed full stack web applications using React, HTML, CSS, JavaScript, Flask, and REST APIs to support dynamic business and client workflows.
- Implemented backend services handling authentication, structured data flow, content updates, API integrations, and client side interactions.
- Owned end to end delivery including requirement analysis, development, deployment, debugging, maintenance, and post delivery support.
- Diagnosed and resolved system level issues involving OS installation, configuration errors, performance bottlenecks, runtime failures, and application stability.

Digital Systems and Media Specialist   *Leo Digital Communications, Bengaluru*
Feb 2024 to Oct 2024
- Delivered technically constrained digital systems and production workflows for enterprise clients including Times of India, ABB, Zeiss, Fujifilm, and Ashirvad by Aliaxis.
- Worked across cross functional teams using version controlled pipelines, structured asset workflows, and deadline driven execution cycles.
- Optimized production pipelines by applying automation oriented workflows, improving delivery consistency, quality checks, and turnaround time.
- Performed platform specific optimization, validation, and quality assurance prior to final delivery across multiple client platforms.

Software Developer Intern   *Candor Management Services, Bengaluru*
Apr 2023 to May 2023
- Contributed to the development and testing of a full stack Applicant Tracking System supporting recruiter and hiring workflows.
- Worked on frontend components, backend services, database interactions, and application level debugging.
- Validated resume parsing and job matching logic using Python based NLP pipelines and structured test datasets.
- Participated in issue tracking, defect verification, and deployment readiness checks.

Web Developer Intern   *Varcons Technologies, Remote*
Sep 2022 to Oct 2022
- Developed a responsive web application with focus on performance, layout consistency, accessibility, and cross device compatibility.
- Collaborated using Git based workflows and assisted in functional verification and issue resolution.

Projects

PlayMatch - *ML Based Game Recommendation System*
Implemented a machine learning driven recommendation system using classification and clustering on user ratings and game genres. Built data preprocessing pipelines, feature extraction logic, model training, evaluation workflows, and result validation using Python, Pandas, and Scikit learn.

Homeio - *IoT Automation Dashboard*
Designed and developed a Flask based IoT control dashboard integrated with Raspberry Pi, enabling appliance control, GPIO interaction, and real time sensor monitoring. Implemented backend communication, UI controls, and system level testing. *GitHub*

Roophic - *Product Catalog Website*
Built a responsive product catalog website using structured JSON data, dynamic styling, and client side rendering. Focused on cross device compatibility, UI validation, and maintainable frontend architecture. *Live*

NammaScreen - *Theatre Booking Application*
Developed an Android based theatre booking application implementing seat selection logic, Firebase authentication, booking flow validation, and user interaction testing. *GitHub*

Technical Skills

Languages: JavaScript, Python, C++, SQL
Frontend: ReactJS, HTML5, CSS3
Backend: Flask, REST APIs
Databases: MySQL, Firebase
Tools: Git, Postman, VS Code
Systems: OS installation, troubleshooting, BIOS, UEFI configuration

Education

B.E. in Computer Science and Engineering   *Malnad College of Engineering, Hassan*   **2023**