Avaneesh Gaykar

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WORK EXPERIENCE

Data Automation Engineer
Mystic Panels and Planks, Mumbai
APR 25 - JUL 25

- Created internal web dashboards using HTML, CSS and JavaScript improving data visibility and enabling 30% faster team reporting.
- Transformed the lead qualification process by automating data enrichment with Google Apps Script, leading to an 10% increase in qualified leads passed to sales.
- Built custom internal tools to solve organisation specific problems, applying software engineering principles such as modular design, code reusability and maintainability.
- Developed small scale data integration pipelines connecting Tally Prime with Google Sheets using SQL and GCP services, gaining hands on experience with cloud based data processing and ETL concepts.

Digital Marketing Intern
Stealth, Mumbai
JULY 24 - DEC 24

- Managed and updated content across 5 production websites, ensuring high availability, consistent UI/UX and smooth deployment workflows.
- Led SEO optimisation, layout design and content strategy, applying front end development principles to deliver cohesive, user centered experiences.
- Made front-end improvements and component updates using WordPress (Elementor), Umbraco and Figma, enhancing maintainability and design consistency.
- Contributed to large-scale web development projects, integrating marketing, design, and engineering workflows to deliver scalable and performant website features.

PROJECTS

TRAFFIC-O-METER
Technologies: React, Python, FastAPI, OpenCV, YOLO, REST APIs

- Pioneered a traffic monitoring prototype with a React dashboard and FastAPI backend for proper and approx traffic insights.
- Implemented vehicle detection and traffic density analysis using YOLO and OpenCV, processing video streams efficiently.
- Designed and exposed RESTful APIs to serve processed traffic data to the dashboard, enabling live visualisation and interaction.
- Applied modular backend architecture, asynchronous processing and software engineering best practices for maintainability and future scalability.

URBAN PULSE
Technologies: MERN Stack, Cloudinary, leaflet

- Engineered a full-stack smart city platform enabling users to submit and geotag urban issues with images, supporting real-time data capture and visualisation.
- Developed an interactive mapping system with leaflet, enabling issue tracking, filtering and spatial analytics.
- Prepared a role-based admin dashboard which will be ntegrated with government workflows, ensuring secure, scalable, and auditable issue management.
- Created RESTful APIs for seamless frontend-backend communication, supporting asynchronous updates and high concurrency.

TECHNICAL SKILLS

Languages: HTML, CSS, Javascript, Basics of Java and Python, Appscript, MySql(basic)
Front-end technologies: React.js, HTML, CSS, Javascript(ES6), Tailwind CSS (basic)
Back-end technologies: Node.js, Express.js, MongoDB, FastAPI
Devops and tools: Git, VS code, Vite, Npm, Google Big query, Google cloud platforms

EDUCATION

Bachelor of Computer Engineering
AtharvaCollegeOf Engineering
2022-2026
CGPA - 8/10 till now