Rashad Abdul Razak

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SUMMARY

Dedicated to building efficient and user-friendly web applications. Passionate about leveraging technology to create innovative solutions. Skilled in problem-solving, automation, and delivering exceptional user experiences. Committed to collaborating with teams to bring ideas to life and drive meaningful results.

EXPERIENCE

Software Engineer - Shipwaves
Apr 2025 - Present, Mangaluru

- **Data Visualization Platform:** Completely redesigned a web-based dashboard for customers to view RFQ and tracking reports with a modern, user-friendly interface—featuring clear summary sections, interactive visualizations, seamless data export functionality, and an integrated AI assistant that responds to natural language queries about the charts to deliver intelligent insights.

Software Engineer Intern - Shipwaves
Sep 2024 - Dec 2024, Mangaluru

- **Developed Document Translation solution**: from scratch using Google Translate, incorporating optimizations such as polling and caching to enhance user experience.
- **Shipper Tracking Workflow**: Streamlined the querying of shipment tracking data from MySQL and sent automated emails with attachments and summary reports to stakeholders.
- **Updated ETL scripts**: Enhanced reporting accuracy by updating ETL scripts to capture and sync new data fields.
- **Bulk Upload Process**: Automated the fetching of Gmail attachments using OAuth and stored attachments in Redis or MongoDB for efficient processing. Triggered event-driven bulk uploads and sent automated emails with attachments and summary reports upon successful completion.

PROJECTS

YelpCamp (Full-Stack Web Application)

yelpcamp-japz.onrender.com

- Created a dynamic web platform using Node.js, MongoDB, Express, and Bootstrap to enhance campground experiences.
- Implemented user authentication and authorization to allow users to create, review, and manage campgrounds.
- Integrated cloud storage solutions for image uploads, enabling users to seamlessly add photos to their campground listings.

Document Translation Tool (Shipwaves)

- Built a document translation system from scratch using the Google Cloud Translation API to convert PDF documents into any target language while preserving layout and formatting.
- Implemented polling and caching mechanisms to optimize performance and reduce latency.
- Supported right-to-left (RTL) alignment and font rendering for languages like Arabic to ensure accurate and visually consistent output.

EDUCATION

B.E in Computer Science and Engineering

P.A College Of Engineering • Mangalore • 2025 • 8.3 CGPA

SKILLS

- **Web Development**: HTML, CSS, JavaScript, React.js, Node.js, Express.js, REST API, Bootstrap, Tailwind, React Native, Streamlit
- **Databases**: MongoDB, MySQL, Redis
- **Programming Languages**: Python, Java, C
- **Tools & Frameworks**: RabbitMQ, Git, Microsoft Office, Postman, GitHub, Vercel