Rishi Gandhi

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Experience

UI/UX Developer **June 2024 – September 2024**
NutraForge Technologies Inc. *St. John's, NL*

○ Spearheaded the redesign process of the NutraForge website using React.js, Webflow and JavaScript.

○ Recognized for exceptional contributions to the website redesign, increasing user engagement by 25% and improving consistency.

○ Created and conceptualized brand assets, working directly with the CEO and the CTO, resulted in a 40% increase in brand engagement across all digital platforms.

○ Analyzed the target customer base and designed the NutraForge logo that captured brand values, received 95% positive feedback in focus groups, and increased market recognition by over 78%.

Software Developer **March 2024 - May 2024**
Memorial University of NL (School of Graduate Studies) *St. John's NL*

○ Redesigned Memorial University's Graduate Studies website using React.js, Tailwind CSS, Vite, increasing session duration by 35% and cutting bounce rate by 20%.

○ Colluded with the development team and implemented SEO best practices, leading to a 40% increase in organic traffic and a 30% increase in visibility on search engine results pages for prospective students.

Lead Software Developer (BioInformatics) **August 2023 - February 2024**
Memorial University of NL (School of Pharmacy) *St. John's NL*

○ Developed an advanced protein structure display system using Python and Flask in collaboration with Dr. Alisaraie, improving visualization accuracy by 40% over STRIDE and increasing research efficiency in 100+ projects.

○ Led a team of 4 developers and worked closely to achieve a 25% reduction in development time, maintain 95% unit test coverage, and implement scalable, modular code structures that improved system performance by 18%.

○ Built an algorithm to parse data from TXT, Word, and PDF files, achieving 24% faster extraction and increasing efficiency on datasets provided by researchers.

Projects

Online Banking System *https://github.com/iamrishigandhi/onlinebankingsystem* ⬈

○ Engineered a RESTful API with Spring Boot that achieved a consistent response time of under 150ms, enabling real-time data validation for 100% of new user registrations and account creations.

○ Delivered a streamlined account creation process, enabling users to establish accounts with email/password and randomly generated 12-digit account numbers in under 2 seconds.

○ **Technologies applied:** React.js, React + Vite, Java (Spring Boot), AWS RDS + PostgreSQL.

Interactive 3D Globe Visualization *https://github.com/iamrishigandhi/3d-globe* ⬈

○ Implemented a real-time data feed, displaying localized information such as domain, ISO code, and currency for all 195+ countries; improved data accessibility for international users by 75%.

○ Displayed localized data: domain, ISO code, currency, ZIP code, phone code for all locations.

○ Retrieved real-time timezone and clock info with country mapping with coordinate-based navigation via sliders and inputs.

○ **Technologies used:** React.js, Three.js, TypeScript, HTML5 + CSS3, REST APIs.

Serverless Expense Tracker *https://github.com/iamrishigandhi/expensetracker* ⬈

○ Tracked and categorized 100% of user expenses with monthly analytics dashboard.

○ Engineered RESTful API endpoints utilizing AWS Lambda and DynamoDB, achieving sub-50ms latency for data retrieval, improving researcher data access speed by 60%.

○ Launched the tracker to help people track and split expenses, helping over 50 people become financially smart.

○ **Technologies utilized:** Java (Spring Boot), AWS Lambda, API Gateway, DynamoDB, S3, Cognito.

Education

Memorial University of Newfoundland **September 2020 – May 2024**
B.Sc in Computer Science(Smart Systems), Minor in Business **3.3 GPA**

○ **Coursework:** Front-end Development, Backend Development, Artificial Intelligence and Game Development