Gurjog Singh

Edmonton, AB, T6E 2C5 | 587-566-8297 | gurjog@ualberta.ca | LinkedIn: www.linkedin.com/in/gurjog-singh-5b4a03232/

Education

Bachelor of Science: Computing Science with Specialization   Expected Graduation: December 2023

University of Alberta, Edmonton, Alberta

Skills

- Familiar with Python, Java, JavaScript, TypeScript, C#, MySQL, SQLite, MongoDB, HTML, CSS, UML.
- Experience with Agile, Angular, Azure DevOps, Axios, CI/CD (Github Actions), Docker, Express.js, Figma, Git, Google Cloud Platform (GCP), Heroku, JSON, LangChain, MS SQL Server, .NET, Node.js, Postman, React.js, Relational Databases, RESTful APIs, Sourcetree, Tableau, TensorFlow. Testing Frameworks: Cypress, JUnit, Pytest.

Relevant Work Experience

PCL Constructors Inc. – Software Developer Student   September 2022 – December 2022

– Full-stack developer in Agile practicing and Azure DevOps using team of 12 developers, for PCL's in-house estimating software.

- Implemented 3 new UI components, and revamped existing ones to match new design standards.
- Developed error management feature using Angular and SpreadJS, increasing users' error-tracking efficiency by 30%.
- Utilized SyncFusion grids, MS SQL Server, JSON and generated a sorting algorithm to successfully redesign and validate Rate Trees feature UI and cross-window drag-drop functionality, receiving positive feedback from project stakeholders.

Projects

Flower Girl (individual project)   June 2023 – August 2023

– Website that identifies flower name through uploaded image and generates custom poem using flower name and live weather.

- Utilized React.js and Framer Motion to realize an aesthetic UI, receiving 80% positive user feedback on user-experience.
- Built flower image classification model with 80% accuracy using TensorFlow, dataset from Kaggle, deployed using GCP.
- Generates custom poem through prompt engineering using Express.js, LangChain, OpenAI GPT and OpenWeather API.

Silver Palm Food (individual project)   March 2022 – June 2022

– Mobile-friendly website that allows users to view, select and order food from Silver Palm Hotel, Kilifi.

- Engineered both UI and RESTful API using Next.js, MongoDB and Redux, allowing seamless user-experience.
- Integrated PayPal within the website, resulting in 2+ forms of payment thus increasing user convenience.
- Developed an admin dashboard to empower authenticated client to manage orders and products from the website itself.

BingBing – Full-stack developer (5-member team project)   January 2022 – April 2022

– Distributed social networking website; authenticated users can create posts, follow friends and like/comment on posts.

- Designed and implemented 80% of the user-friendly UI using React.js, Material UI and React Bootstrap.
- Established connection between front-end and Django-built server, and 3 other foreign servers using Axios and RESTful API through excellent collaboration and JSON parsing, resulting in successful cross-server user interaction.
- Constructed 8+ front-end end-to-end tests using Cypress, ensuring user's UI experience met the team's expectations.

Activities

Other Work Experience: Stall Representative for Going Nuts, Inc at Strathcona Farmers' Market (October 2021 - Present)

Competitions: ProtoJam 2022 UI/UX Design participant (February 2022), ELI Case Competition participant (September 2021)

Volunteering: Lesson Teacher and VP Finance at MusicBox Children's Charity UAlberta Chapter (October 2021 - Present)