

Kishan Modi

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EDUCATION

Master of Applied Computing

University of Windsor (Windsor, Ontario)

Sep 2023 – Present

Bachelor of Engineering in Computer Engineering

Kadi Sarva Vishwavidyalaya (Gandhinagar, India)

Jul 2018 – Jul 2022

WORK EXPERIENCE

Software Engineer | O2h Discovery Pvt Ltd. | Ahmedabad, India

Sep 2022 – May 2023

Tech Stack: JavaScript, Python, ReactJS, Node.js, Express.js, AdonisJs, MySQL

- Led the migration of “Chemistry in The Cloud - CITC” from Laravel (PHP) to ReactJS and AdonisJs, resulting in a 50% reduction in response times and a substantial improvement in user experience.
- Demonstrated leadership by leading the development of a critical module in “CITC”, supporting more than 500 global chemists and biologists, while nurturing strong client communication and partnerships.
- Optimized SQL queries in existing products, resulting in a 50% boost in response time and improved system performance.
- Employed Agile methodologies (SDLC) to streamline project workflows, optimizing team efficiency and collaboration.
- Significantly increased stability and performance by 30% and 25%, respectively, through QA testing, resolving legacy system issues.
- Implemented Continuous Integration/Continuous Deployment (CI/CD) pipelines, significantly reducing deployment time and increasing development team efficiency by automating testing, integration, and deployment processes.

Web Developer Internship | Qnomix Technology | Ahmedabad, India

Nov 2021 – Feb 2022

Tech Stack: ReactJS, Node.js, MySQL, Java

- Designed responsive website layouts and user interfaces through standard HTML/CSS techniques.
- Acquired proficiency in object-oriented programming principles and design methodologies to craft optimized code.
- Enhanced corporate website stability, reducing response time by 3 seconds through bug resolution, while gaining proficiency in essential quality assurance concepts such as unit testing for robust software development.

ACADEMIC PROJECTS

NourishNet | Python, Stream Lit, NumPy, Pandas, MySQL, Docker | [GitHub](#)

Jan 2024 – Apr 2024

- Directed the creation of a Python-based analysis and visualization platform focused on tackling malnutrition and dietary trends.
- Utilized datasets on stunting, wasting, and obesity from UNICEF to inform decision-making in public health initiatives.
- Conducted exploratory and predictive analyses, including Linear Regression and K-means clustering, time-series analysis, and created interactive data visualizations with Stream Lit and Plotly.
- Deployed Generative AI (Gemini) for enhanced contextual insights, recognized as one of the top projects among 50 other projects.

Job-Radar | Java, ReactJS, Selenium | [GitHub](#)

Sep 2023 – Dec 2023

- Led the team of 5 members to develop Job Radar, an intuitive internship and coop search engine, utilizing ReactJS and Java.
- Used Selenium for automated daily data scraping from leading job listing platforms such as LinkedIn, Glassdoor, and Workopolis, aggregating 11,000 postings within a week.
- Integrated practical features such as page ranking, spell checking, auto complete, and retention of user search history, resulting in a 60% increase in finding similar jobs tailored to user preferences.

Trade Lens | Python, Flask, scikit-learn | [GitHub](#)

Jul 2021 – Nov 2021

- Spearheaded the creation of Trade Lens, a platform for analyzing stock price performance using Python and scikit-learn.
- Employed the Y-Finance API to gather real-time and historical stock data over an extensive timeframe..
- Utilized classification algorithms, including Decision Tree, KNN, and Naive Bayes, to rigorously assess stock performance.
- Achieved 79% average accuracy across diverse models, highlighting robust analytics.
- Leveraged Stream lit for seamless visualization, providing traders with actionable insights to inform their investment decisions.

TECHNICAL SKILLS

Programming: JavaScript, Java, SQL, C, C++, Python, C#

Front-End Technologies: ReactJS, HTML5, CSS3, Bootstrap, Redux, Angular

Back-End Technologies: Node.js, Express.js, AdonisJs, Flask, Selenium

Cloud/Databases: RDBMS (Oracle, MySQL, Postgres), NoSQL (MongoDB) Google Cloud Platform, AWS (S3, Lambda, RDS)

Functional: Data Visualization, Agile, Scrum, SDLC, CI/CD, Unit Testing, Microsoft Office Suite (Excel, Word)

Tools: Linux, GIT, JIRA, Docker, Power BI, JEST, Mocha, Windows

ACHIEVEMENTS

- CS Demo Day Selection, University of Windsor: Showcased Nourish-Net among 50 other projects to industry leaders and professors.
- Top Performer, O2h Discovery (Mar 2023): Recognized as a top performer for consistently delivering high-quality solutions.
- Attention to Detail Award (Mar 2023): Received award for exceeding client expectations and fostering strong relationships.