Arjun Nair

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Technical Skills

Languages: C, Python, HTML/CSS, JavaScript, PHP, Java, SQL, Cypher
Developer Tools: VS Code, PyCharm, IntelliJ, WebStorm, Codepen, Jira, Bitbucket
Technologies/Frameworks: Git, Neo4j, Figma, Bootstrap, Flask, jQuery, Express.js, React.js, Material UI

Technical Work Experience

Adknown   **September 2021 − December 2021**
Software Engineer Intern   *Guelph, ON, Canada*

Worked with full-stack development: adding and upgrading tools in an internal ad campaign management system

- Used JavaScript (primarily React and Material UI) to add and update pages in the front-end. Upgraded tools using jQuery to use React and Material UI
- Used a combination of PHP, SQL and JavaScript to build and maintain APIs in the back-end
- Used Jira and Bitbucket for management and division of tasks, as well as review; also compiled documentation for non-technical users

Group 42   **September 2020 − March 2021**
Data Science Intern   *Abu Dhabi, UAE*

Developed several visualization and data manipulation projects related to medical insurance claims data

- Used JavaScript (d3.js) to create an interactive tree visualization of activities used to treat various diagnoses and used Python to auto-generate the json file from a dataset
- Used Python and Cypher to manage a graph database in Neo4j that, along with custom queries, acted as a recommendation system
- Created a web application using Python (Streamlit, pandas, NumPy) and HTML/CSS, that takes in relevant information about a medical insurance claim and displays a prediction of whether it will be accepted or denied. This project was praised by management and the client for its effectiveness

Education

University Of Guelph   **September 2019 − June 2024**
Bachelor of Science in Computer Science   *Guelph, ON, Canada*

3.7 GPA and currently maintaining an 86% average
Dean's Honours List from Winter 2020 - present
Executive of the Guelph Coding Community

- Created an administrative web application for users to create and manage GPX files, in a CRUD type interface, using C, SQL and Express.js for backend and HTML/CSS and JavaScript (JQuery) for frontend
- Implemented a fully functional eStore in Java, complete with GUI and options to add and search for items
- Programmed Conway's game of life in C, with the ability to provide custom seeds

Projects

Portfolio Website | *HTML/CSS, JavaScript (JQuery)*   **May 2021 − Present**
- Created my portfolio website from scratch, which is constantly being maintained and updated

Extracurricular Experience

IQPC Artificial Intelligence Hackathon   **September 2018**
2nd Place   *Dubai, UAE*
- Designed a web platform for students with my team to find and apply to scholarships that implemented machine learning to personalize recommendations

Idea Factor Innovation Competition   **May 2019**
Runners Up   *Dubai, UAE*
- Pitched a smart card that would allow residents access to a variety of services and implemented blockchain for security, consistency and fluidity

Mashreq Banking App Competition   **September 2014**
Finalist   *Dubai, UAE*
- Worked in a team to build a mobile banking application prototype using MIT App Inventor