

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, node.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 React and Material UI to add and update tools in the front-end
- Used a combination of PHP, SQL and JavaScript to build and maintain APIs in the back-end
- Worked in an agile environment, using 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