Dhruv Jobanputra

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EDUCATION

M.P.E - Master of Professional Engineering (Software Engineering)   Perth, AU | Feb 2023 - Nov 2024
THE UNIVERSITY OF WESTERN AUSTRALIA
Grade: WAM: 85.7%, GPA: 7.0 / 7
First Class Honours: Computer Science and Software Engineering

WORK EXPERIENCE

VISAGIO | SOFTWARE ENGINEERING CONSULTANT INTERN   Perth, AU | May 2022 – March 2023
- Developed features in a web tool with **Angular** and **Typescript** to streamline manual processes, leading to a 15% increase in efficiency.
- Designed a structure to improve code quality and reduce code size by 10%
- Led a project using **Python** and **Data Visualisation** to streamline processes and achieve a 30% increase in efficiency.
- Interacted with clients to provide solutions and responded to feedback with prompt changes.
- Implemented new **APIs** and fetched data with **C#**, **SQL** and **.NET** and managed the **DevOps CI/CD** cycle using tools such as **Azure**.

CODERS FOR CAUSES | VOLUNTEER SOFTWARE ENGINEER   Perth, AU | June 2023 - Present
- Designed and implemented crucial backend infrastructure, integrating it seamlessly with the frontend to enable login and perform CRUD operations for various applications.
- Fullstack web development using **Django** and **Vue.js** for the not-for-profit Community Spirit Foundation
- Collaborated with a team to develop various features, ensuring user experience and efficient functionality.

THE UNIVERSITY OF WESTERN AUSTRALIA | RESEARCH ASSISTANT AND TUTOR   Perth, AU | March 2022 - Present
- Created a deep learning model with **Python** and **Keras** to diagnose ear diseases from otoscopic images.
- Utilised **LaTeX** to present experimental results in a thesis and submitted a literature review in a journal.
- Tutored and assisted a class of 15 University students in CITS1001 Software Engineering with Java

SOAR.EARTH | SOFTWARE ENGINEER INTERN   Perth, AU | Aug 2020 – July 2022
- Enhanced the UI of the Soar.Earth platform through **React**, **Redux**, **Typescript**, **HTML** and **CSS** contributing to a 10x increase in user registrations to 50,000
- Performed automated testing using the **React Testing Library** and **Cypress**
- Implemented new features, fixed bugs, and conducted QA testing under **Agile** practices
- Upgraded legacy code and fixed bugs using **Java** and **Android Studio**

PROJECTS

TEACHING AND QUIZ WEBSITE ↗   PYTHON, FLASK, JAVASCRIPT, HTML, CSS, GIT
Led a university web project team of 4 to build a full-stack Python education website. Admins can create new content and quizzes and gives users the ability to attempt the quiz and store the quiz results for tracking.

PARTICLE VISUALISER ↗   UNITY, C#, VR, GIT
Developed a simulation as a final semester project with a team of 6, featuring a custom-built physics engine to visualize chemical particle interactions. Achieved a score of 100% from client.

AWARDS

HACKATHON - 2ND PLACE, INFOSYS 2023 ↗   REACT, FIGMA, CANVA, GIT
Secured second place in the 2023 Hackathon sponsored by Infosys leading a team of four members, and received a team cash prize of $1800 for developing an innovative product promoting sustainable practices using React, Figma, and Canva.

SKILLS

Languages: Python, TypeScript/JavaScript, C/C++, Java, SQL, HTML, CSS, LaTeX
Frameworks: React, Angular, Vue, Django, Jupyter
Technologies: Git, AWS, Azure, Unity, Android Studio, Docker