

RUVIDU (HIMESH) SAMARASEKERA

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EDUCATION

Heriot-Watt University

Bachelor's of Science in Electrical and Electronic Engineering

Sep 2019 – Jul 2022

Edinburgh, UK

EXPERIENCE

Tanmu Project Management Services

Creative Director

Dec 2019 – Present

Dubai, UAE

- Developed and maintaining interactive and responsive company website using HTML, CSS, and JavaScript
- Planned and executed all advertising campaigns across Facebook Ads and Google Ads to increase CTR by 2.7%
- Optimised JavaScript and other elements on website to improve load time by 83%
- Launched SEO campaign to improve website traffic by 75% and ranks as first result for relevant keywords
- Created, edited, and published digital content that displays on company social media pages

CKR Consulting Engineers

MEP Engineering Intern

Jul 2019 – Aug 2019

Dubai, UAE

- Conducted research, gathered information from multiple sources on SIRA and DEWA regulations
- Familiarised with construction BIM software such as Revit and AutoCAD
- Assisted in creating Project Reports after analysing project schematics and system specifications
- Refined design briefs and guidelines for client proposals related to Dubai Expo 2020
- Reduced office energy consumption by installing PIR sensors to activate lighting within the office
- Collaborated with the IT team to implement a Bluetooth system for the office access control

PROJECTS

Reddit Clone | TypeScript, Next.js, Firebase, Chakra UI, Recoil

- Developed a full-stack clone of Reddit that allows users to create communities, post and comment
- Incorporated real-time Firestore database with react-firebase-hooks to store users, communities, posts and comments
- Engineered serverless Firebase Cloud Functions to update backend database depending on user actions
- Utilised Typescript and Next.js to build the frontend, using Chakra UI for styling components
- Implemented Recoil and custom React Hooks to manage global state within the application

Fake Review Detector | Numpy, Pandas, scikit-learn, NLTK, Jupyter

- Developed an AI machine learning model to identify fake reviews/spam
- Cleaned existing dataset by removing punctuation, stopwords and applying PorterStemmer using NLTK
- Implemented both a CountVectoriser and TFIDF to check which would yield better results
- Created a model selection process that uses scikit-learn pipeline to find the best text classification model
- Optimised model by applying a five fold cross-fold validation process and GridSearchCV to get an accuracy of 87.6%
- Exported the model using Pickle and deployed it with an UI using Streamlit

Esports Off-Season Tracker | TypeScript, Next.js, React-Beautiful-Dnd, TanStack Table, Sanity

- Developed a full-stack web application that allows users to track team changes and player transfers
- Utilised Sanity CMS to create a backend with player and team data, as well as a section for roster changes
- Implemented TanStack Table to display player transfers pulled from backend, inspired by real sports off-season trackers
- Implemented React-Beautiful-Dnd to create a fantasy team builder, where users can drag and drop players to build their own team

Cryptowatch | React, Tailwind, Firebase

- Developed a real-time Crypto watch-list with the ability for users to favourite coins
- Created React frontend and used Tailwind to apply styles and dark mode
- Implemented logic to continuously pull data from CoinGecko API and display it on frontend
- Integrated Firebase to handle user authentication and Firestore for user data

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, Python, Go, TypeScript, Flutter, SQL

Frameworks: React, Next.js, Express.js, Node.js, Tailwind, Redux, FastAPI, Flask

Technologies: Git, MongoDB, Firebase, PostgreSQL, Numpy, Pandas, sci-kit, AWS, Jest, Prisma, Linux (Fedora)