

Urvi Patel

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[LinkedIn](#) | [GitHub](#)

Skills

Languages: SQL, Python, C#, R Language, Octavo, JavaScript, NodeJS, ExpressJS, SQL Server, Git, Jira

Web Technologies: HTML, CSS

Code Editor: Visual Studio Code, Visual Studio, ASP.NET, Notepad++

Artificial Intelligence Tools: Regression, Classification, Clustering Models, TensorFlow, Keras, NumPy, Pandas, SciKit Learn, Natural Language Processing, Data Cleaning

Packages: ggplot2, dplyr, Reshape2, plyr, pandas, numPy, TensorFlow, seaborn, sciPy, matplotlib lib, scikit-learn

Soft Skills: Inquisitive, Teamwork and Collaboration, Organizational Skills, Time Management

Experience

Interact Health Pro, Full-Stack Web Developer Intern

August 2023 – Present

- My role involved creation of healthcare website using C# using ASP.NET, closely integrated with a with a robust SQL Server.
- Developed and designed web pages that enabled efficient data management for clients using MVC model.
- Effectively resolved issues in 80% of unfinished web pages and addressed bugs within the web application.
- Enhanced the website's user interface, resulting in improved accessibility and a more user-friendly design.

Dazzle Robotics Pt. Ltd., Gandhinagar, India, Senior Product Manager

June 2019 - September 2020

- Maintained product page information using HTML.
- Gained experience in interpreting and analysing data to improve sales of E-commerce website through digital marketing.
- Improved the sales rate by significant margin during my tenure.

Education

University of Waterloo, Waterloo, Ontario

January 2021 - April 2022

Masters in Engineering with Artificial Intelligence and Machine Learning Specialization Under Electrical and Computer Engineering

Coursework: Data and Knowledge Modelling Analysis, Statistical Method for Data Analysis, Intelligent Systems Design, Quantitative Data Analysis for Management Science, Image Processing and Visual Communications, Project Management, Intelligent Sensors and Wireless Sensor Network

Projects

- **Developing Web Page in NodeJS on Local Server (In Progress)**
 - Technologies used for developing these projects are NodeJS, ExpressJS and PUG.
 - Handling HTTP requests and responses in Node.js
 - Using ExpressJS to simplify the process of building web application and using templating engine to generate dynamic HTML pages.
- **Time Series Analysis of Stock using ARIMA in R**
 - Time series analysis using ARIMA model to predict stock prices for next three years on the historical stock data.
 - Data pre-processing and analysing technologies employed are Tseries, Xts, Tidyverse, Forecast, Urca.
 - The predicted stock prices had confidence interval of 99%.
- **Sentimental Analysis in Python**
 - Analysed and segregated IMDB reviews with NLP Algorithm using TensorFlow, Keras, Sklearn.
 - Implemented tokenization method for pre-processing of IMDB rating dataset to fed into Conv1D with regularization which achieved accuracy of 89.3.
- **Stock prices prediction using RNN in Python**
 - Employed RNN algorithms for future stock price prediction incorporating TensorFlow, Sklearn.
 - Fed pre-processed data to predicted stock price GRU algorithm and achieved Mean Squared Error of 12.3.

Certification (More details on LinkedIn)

- **Structuring Machine Learning**
- **Improving Deep Learning Neural Network: Hyperparameter Tuning, Regularization and Optimization**
- **Neural Network and Deep Learning**
- **Convolution Neural Network**