Amirhossein Sefati

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GitHub - StackOverflow

Residence: Calgary, Alberta, Canada

WORK EXPERIENCE

IBM Canada (Partnership with Mitacs)   Jan to Oct 2023
Data Analyst & Full-Stack Developer - Paid Internship

- Development of a web platform using React + Node (ExpressJS - RESTful API) + MySQL to analyze the data coming from Alberta Watersheds and Advancing Canadian Wastewater Assets (ACWA).
- Using ArcGIS Pro endpoints to create interactive maps for the platform.
- Being the head of interns, I was responsible for developing a road map.
- Working on the University of Calgary's data center to ensure all the components in the architecture of the platform is optimized and integrated.

CarBnB Co.   Sep 2018 to Oct 2022
Full-Stack Developer - Full Time

- Using ReactJS, Flask, and MySQL, a web application has been developed. Also, Node-JS was part of the tech stack.
- Developed based on RESTful API structure and concept.
- The web application increased the customer conversion rate by 20%.

SELECTED PROJECTS

Canadian Network on Information and Security Hackathon [See]   Front-End
- Winner of $4000, First prize of CANIS Hackathon.
- Data analysis using NLTK, Sklearn, and TensorFlow.
- Data visualization using ReactJS (Plotly) and API Development using Flask.
- Deployment of the ML model (tuned passive-aggressive classifier) on the server side using Flask.

Foreign Interference Data Analysis and Visualization Hackathon [See]   Data Analysis
- Winner of $3500, The Best Performance in Visualization.
- Data analysis using Sklearn.
- Data visualization using Tableau and Matplotlib.
- Twitter Data scraping using Selenium web driver in Python.

Web Application to Help Immigrants [See]   Full-Stack
- Based on MERN stack: MongoDB, ExpressJS, ReactJS, and NodeJS
- Deployed and published on Herouku.
- Using different third-party software and APIs to develop useful tools for immigration purposes.

Fashion E-Shop Featuring Pre-Sell in France [See]   Full-Stack
- ReactJS and NodeJS are used as front and backend frameworks.
- Deployed and published on AWS.
- Working directly with a group of 4 developers in an Agile environment.
- Constantly troubleshooting and fixing any bugs suggested by the testing team.
- Attention to every detail in a fashion French-based e-shop was the challenge I overcame.

Languages

JavaScript   Web Interface (4 years)

    JQuery
    Ploty
    JSX

HTML5/CSS3   Front End (5 years)

    Bootstrap
    Ant-Design
    Material UI
    Tailwind

Python   AI and Data Analysis (3 years)

    Pandas
    Numpy
    Sklearn-Tensorflow
    Plotly-Matplotlib

MySQL - MongoDB - IBM DB2   Database (4 years)

Technologies and Frameworks

- **ReactJS (+4 years)**
- **Node/ExpressJS (+3 years)**
- **CI/CD with GitHub**
- **Flask**
- **Postman**
- **Tableau (+1 year)**

Cloud Providers

- **AWS (Amplify - S3)**
- **Heroku**
- **Hetzener**
- **Netlify**
- **PythonAnyWhere**

Education

- **Master of Computer Science, University of Calgary (GPA: 3.8/4.0)**

- **Bachelor of Computer Engineering, Amirkabir University of Technology (GPA: 3.85/4.0)**

Online Courses

Machine Learning [see certificate]   by Andrew NG
Authorized by Stanford University and offered through Coursera   2020

Enterprise Design Thinking   by IBM
                    2020

Volunteer Work

Contributing to Stack-Overflow Community
Reputation of +700.

Toranj Charity Festival [Summer 2022, Calgary]
Helping to organize the festival. Selling charity's products.

Toranj Charity Festival [Summer 2023, Calgary]
Designing an online application to be used ordering products which increased sales by 50%.
We sold over $**12000** worth of products in one day.

Languages

- **English** Advanced - TOEFL: 100

- **Persian** Native