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Objective

To obtain a Software Engineering/Data Science internship position.

Experience

Android Application Development Intern | Shamgar Software Solutions (MAY 2016 – SEP. 2016)

Tech Stack: Java, XML, Android SDK,

- Involved in the end to end implementation of the mobile application "Student Fee Portal" gaining good experience in the areas of requirements gathering, design, development, testing and deployment.
- Completely responsible for Credit/Debit card payment feature – most critical to the application.
- Constantly improved the application based on the user feedback to make it more user friendly and reliable.

Projects

Kaggle's LANL Earthquake Prediction (March 2019 – May 2019)

Tech Stack: Random Forest, R, Leave-One-Out Cross validation, R-Studio.

- Developed a machine learning model to help predicting time remaining for laboratory earthquake.
- Mean Absolute Error: 2.2, Kaggle's Rank: 381(Bronze Badge)
- Methodology used: Random Forests.

Security Incidents and Data Breaches Dash Board (March 2019 – April 2019)

Tech Stack: D3.Js, HTML, CSS intro.js, jQuery, JavaScript.

- An Interactive visualization dashboard featuring occurrences of security incidents, industry level analysis, types of attacks, the assets being targeted over a period of time and the data trends changes in all these features.
- Implemented interactive features like data slider, hover over feature and used intro.js for giving a quick demo about the website.

Network Intrusion Detection (March 2019)

Tech Stack: TensorFlow, Keras, Google Collab Python, NumPy, Pandas, Scikit-learn, Matplotlib, Dense Neural Network, CNN, SVM, KNN.

- Developed a machine learning model to help the system detect the type of the server request viz. normal, intrusion, neptune, back etc. and bypass them
- Approaches of Binary Classification to Multi-Label Classification were applied on the data to achieve better results. Applied KNN, SVM, Dense Neural Network, CNN. F1-Score Achieved: 96%.

Crypto Currency Visualization (March 2019)

Tech Stack: D3.Js, HTML, CSS, jQuery, JavaScript, GIT hub.

- This project is part of my data visualization course in which cryptocurrency data is visualized using line charts.
- Successfully implemented interactive features like data slider, hover over feature(which help to point out at specific data point). These features helped to present crypto currency data without any complexities in understanding.
- Live cryptocurrency data is used in this project with the help of Crypto Compare API.

CHAT ROOM APPLICATION (January-2019)

Tech Stack: HTML 5, JavaScript, Mongo DB, NodeJS, ExpressJs.

- Built a web application which creates private chatroom for people to chat. Deployed this application to Heroku. And the source code to GIT Hub.
- Implemented a feature to get information about which user connected/disconnected to the chat room, Used SocketIO JavaScript Library to achieve this.

Skills & Abilities

PROGRAMMING LANGUAGES

- C / C++, Java, Python, Kotlin, R.

CLIENT/SERVER TECHNOLOGIES

- HTML 5, JavaScript, D3.js, jQuery, CSS, NodeJS, Rest API, ExpressJs,AngularJs.

DATABASES AND CLOUD PLATFORMS

- **Databases**: SQL, MYSQL, Mongo DB
- **Cloud Platforms:** VMware

TOOLS AND PACKAGES

- **Tools**: AndroidStudio, RStudio, IntelliJ IDEA, GIT hub, Postman, Robomongo (Robo 3T), Tableau.
- **Packages**: Mongoose, Mocha, Socket.IO, Tensorflow.

Education

M.S | COMPUTER SCIENCE | AUG. 2017-CURRENT | CALIFORNIA STATE UNIVERSITY, SACRAMENTO

- Related coursework: Data Visualization, Artificial Intelligence, Machine Learning, , Data Structures, UNIX Programming in C, Computer Forensics, Data Models for Database Management Systems, Computer Systems Architecture, Algorithms and Paradigms.

B. TECH | COMPUTER SCIENCE | JUL. 2013 - MAY 2017 | GITAM UNIVERSITY, VIZAG

Related coursework: Data Mining, Artificial Intelligence, Cloud Computing.