PRASHANT AGNIHOTRI

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https://github.com/Prashant2108 | https://prashant2108.github.io/Portfolio/index.html

EDUCATION

California State University, Fullerton, CA ***Expected May 2020***
Master's in Computer Science *Overall GPA- 3.79/4.0*
RGPV University, Laxmi Narain College of Technology, Bhopal, India ***May 2017***
Bachelor of Technology in Computer Science Engineering *Overall GPA: 3.5/4.0*

EXPERIENCE:

Software Engineer **ITSC Technologies. Pvt. Ltd, Bhopal, India** **June 2017 – December 2017**

- Maintained websites and applications, including content updates, account administration, debugging, feature enhancements and documentation, testing, and regular updates to ensure web security and system usability.
- Designed UI, identified tasks and functions, upgraded client website using **HTML5, CSS3,** and **JavaScript** from inception to final product, which increased unique visitors by 20% and raised 2% revenues every month.
- Constructed 10+ **Power BI** reports providing optimal data visualizations by employing custom visualizations and python visualizations. Derived custom columns and summarized tables by applying the **M language** and **Dax commands**.
- Created **complex SQL queries**, **analytical, and aggregate functions** to implement business logic.
- Accomplished automated job scheduling by using **Unix Shell Scripting**, leading to a **10%** increase in the profit margins.
- Generated high quality, highly reliable software applications, and analyzed project performance—also, an enhanced prototype of projects by developing codes.
- Led team to complete important initiative for an essential client while also managing existing workload, identified multiple opportunities to streamline development, delivering the project on time and to a high standard.
- Participated in the agile development of project timelines, implementation design specifications, system flow diagrams, documentation, testing, and ongoing support of systems.
- Generated test data in the UAT environment to efficiently perform unit testing of codes. Achieved systematic project task management by building **JIRAs, Sprints & Epics in Genjira**.

ACADEMIC PROJECTS:

Acquire Attire (2019): Created an online E-commerce website that categorizes products, sorts products, allows users to add or delete products in carts, makes payments through Stripe API, and performs Google Authentication via Firebase. **Technologies Used: React, Redux**, Node.js, NPM, **YARN, Firebase, GraphQL, Stripe**, Heroku, **Progressive web app, SASS, Webpack, Babel, Test**, GitHub.

Food-Hub (2019): Created an application where users from different regions or countries can add new cuisines, and once user log's in and signup, you can add new cuisines, their description, and location and comment on other's user's page. **Technologies Used-** HTML5, CSS3, **Node.js**, JavaScript (ES6), NPM, **MongoDB**, **jQuery**, Express.js, EJS, Passport.js, BOOTSTRAP, **Geocoder**, **Google Maps API**, Heroku, GitHub.

Credit card Fraud Detection using Predictive Analysis (2019): Used predictive data science and machine learning methodologies to determine and evaluate credit card fraud of a user based on transactions. **Technologies Used: Python**, Jupyter Notebook, Logistic Regression, Support vector machine, Quadratic Discriminant Analysis.

Predicting depression using social media posts. (2018): Used sentimental analysis and machine learning algorithms to determine and evaluate the emotional health of a user based on their social media posts. **Technology Used: Python**, Jupyter Notebook, **Logistic Regression**, **K-Nearest Neighbor**, and **Random Forest** Algorithm.

IoT and Cloud-based Health Monitoring System (2018). Created web applications using AWS Services to collect, transform, analyze, and visualize client's health data retrieved from their IoT device like Fitbit. **Technology Used**: **AWS services (DynamoDB, S3, Lambda, EC2, Elastic Beans)**, **Python**, HTML5, JavaScript, CSS3, **Flask**, **Django**.

Online Smart Parking System using Cloud Infrastructure (2018): Created and deployed an Online Smart Parking application to provide 24/7 parking for customers, utilizing Microsoft Azure as cloud infrastructure. **Technologies Used: HTML5**, **CSS3**, JavaScript, ASP.NET, C#, **MySQL**, PHP, Microsoft Azure, AWS.

TECHNICAL SKILLS

- **Python**, JavaScript ES6, HTML5, CSS3, SASS, **SQL**, jQuery, RESTful API, Django, Node.js, Express.js, BOOTSTRAP, REACT, REDUX, **MongoDB**, Firebase, **Matplotlib**, **SciKit**, **NumPy**, **Pandas**, **Tensorflow, Keras.**
- **Power BI**, Visual Studio, **Microsoft SQL Server**, PyCharm, **AWS**, **Informatica PowerCenter**, LINUX, VMware

PUBLICATIONS

- Performance testing in the cloud using a fuzzy mathematical model with user-defined parameters

- A hybrid approach for an improved recommendation system by combining concepts of Fuzzy Cluster and Voting Theory Techniques.
- Study of Stress on Belt Drive System Integrated with Briquetting Plant in IJFSRT. (https://juniperpublishers.com/raej/pdf/RAEJ.MS.ID.555612.pdf)