ROHAN PATEL

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SUMMARY

- Graduate student looking for full time opportunities in software engineering and full-stack development.
- Experience with Python and Java, along with a strong understanding of CS fundamentals and object-oriented design.
- Keen interest in web development. Experience with writing full stack web applications using Node.js, Express and React.

EDUCATION

Master of Science, Computer Science, San Francisco State University (GPA: 3.59)   **August 2017 – June 2019**

Bachelor of Technology, Information Technology, Manipal Institute of Technology   **July 2012 – July 2016**

COURSES

Algorithms, Software Engineering, Web Development , Machine Learning, Data Mining, Database Management, Operating Systems

TECHNICAL SKILLS

Languages: Python, Java, C, Javascript (ES6), HTML, CSS, SQL

Libraries/Frameworks: Node.js, Express, React, Redux, Bootstrap, NumPy, Pandas, Matplotlib, Scikit-learn, NLTK

Others: PostgreSQL, MySQL, MongoDB, Git, Tableau, Heroku, AWS, UNIX/Linux, Jira

PROJECTS

Hearts Card Game | GitHub | Website URL | September 2018 – December 2018
- Real-time, multiplayer, online application to play the card game of Hearts. Built using Node.js, Express, PostgreSQL
- Complete logic of the standard hearts game has been implemented and tested. Game gets updated in real-time in response to user events and interaction with the game using socket.io, and games states are persisted in the database.
- Game also contains a chat feature that allows players to chat with each other in a game room.

'PARSE' – Crowd Sourced Environmental Reporting Website | GitHub | Website URL | Jan 2018 – May 2018
- Developed and deployed a website using Node.js, Express (server side), Bootstrap (front end), and MySQL.
- Built a complete web application consisting of CRUD functionality, user authentication, integration of 3rd party APIs, and responsive UI.
- Played the role of the tech lead in a 7-member student team.

HTTP Web Server using Java | GitHub | August 2018 – September 2018
- Developed a multi-threaded web server in Java capable of a subset of the HyperText Transfer Protocol (HTTP).
- Server can parse HTTP requests (like GET, PUT, POST and DELETE), authenticate them, load mime types, send appropriate responses, and run CGI scripts.

SMS Spam Detection using Machine Learning | GitHub | Feb 2018 – May 2018
- Built a spam filter to classify text messages as spam or non-spam (ham).
- Main steps involved feature engineering, text processing, text classification, parameter tuning and cross-validation.
- Final classifiers gave an accuracy of 0.98 on the UCI SMS dataset and 0.888 on the DIT SMS Spam dataset.
- Project was implemented in Python and using Python libraries like pandas, scikit-learn and nltk.

EXPERIENCE

Software Developer & Data Analyst at Metro College Success Program, San Francisco, CA   **September 2018 – Present**
- Data preparation, analysis, and visualization with Python.
- Salesforce development of Apex classes, triggers and unit tests.
- The role is part of a collaborative project between the CS dept. and Metro College Success Program at SF State.

Software Engineering Intern (DevOps) at Zumigo, San Jose, CA   **June 2018 – August 2018**
- Worked primarily on an open source monitoring tool called Zabbix to help improve company's monitoring system.
- Wrote various Python scripts to send email alerts using Zabbix, execute remote commands and create monitoring solutions.
- Helped in reducing volume of noisy alerts by migrating company's old monitoring system to latest versions.
- Set up a centralized logger system using the ELK stack – ElasticSearch, Logstash, Kibana – to help analyze server logs better.