Manmeet Singh Gill

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EDUCATION

B.S., Software Engineering   San Jose State University, CA   December 2019 (Anticipated)
Coursework in: Enterprise Software Development, Machine Learning, Big Data, Data Structures, Algorithms, Software Architecture, Business, Internet of things

TECHNICAL SKILLS

Languages	: Java, Python, JavaScript, PHP
Web Technologies	: Node.js, Polymer 3, Express.js, React JS, AngularJS, J2EE, REST, SOAP, HTML5, CSS, AWS
Database	: MySQL, Oracle, MongoDB (NoSQL), Google Firebase
Data Science	: Hadoop Map-Reduce, Pandas, Scikit-learn, Scala, AWS Lambda, R, Textacy, Spacy
Tools	: Microsoft Visual Studio, PyCharm, WebStorm, NetBeans, Brackets, Atom, Jupyter Notebooks
Others	: RabbitMQ, OpenCV, Apache Cordova, Ionic, Kafka, JUnit, JMeter, GIT, SVN, Tomcat, Agile Methodology, Twitter Api, Docker, AWS (cloud)

EMPLOYMENT

Software Engineering Intern   Bank of the West, CA, USA   June 2019 – August 2019
Working in Commercial Banking group CBG to build/provide a comprehensive Cash Management system to large corporate clients for maximizing performance.
- Involved in the development/enhancements of Bank's financial software using **JavaScript**, **Polymer Js**, **Walkme**, **Oe-Cloud** and **Advance business application programming** tools (Finacle) in completely agile setting.
- Managed project for data migration into post UAT/QA environment and process customization.
- Develop Prototypes and do POCs on modern technologies, especially webpage design and development

Software Engineering Intern   DisplayRide   January 2018 – December 2018
Focused on designing and developing mobile application, deployment architectures and automating QA processes
- Developed **Android** application to send Bluetooth Low Energy messages to other devices using **Java** and **Android libraries**.
- Leveraged tools like Google's image to text API and Android's Architecture libraries.
- Designed and implemented floating widget feature to increase efficiency and usability to perform background services.
- Advanced Company's business model by developing and deploying **Ad server** using **AdButler** service.

Web Application Developer   Ezing Overseas, India   March 2014 – July 2015
Worked on developing a comprehensive and interactive system for Trade, Travel and Educational consultancy
- Analyzed customer requirements and implemented frontend software using **JavaScript**, **Angular JS** and **MySQL database**
- Developed features for scanning and storing client's documents inhouse using **Java**, **JS**, **Shell Script**
- Collaborated with the product management group to provide input on product designs and potential problems

ACADEMIC/HACKATHON PROJECTS

RightPrice – AI based price estimator   Tech Stack: Python, BeautifulSoup, Scikit-learn, Firebase, React JS
- As my Capstone project, developed an application that can project price of used mobile phones based on their value from internet using other ad postings on online public marketplaces.
- Implemented machine learning tools to predict the value of an object by providing description attributes like make, model, color, memory etc.

GeneTree: Tech Stack: ReactJS, HTML5, CSS3, Google API for Firebase, FireStore
- Launched a web application that can build genetic family trees using the user provided information.
- Fully functional app helps to store large amounts of family data including facts like date of birth, gender, parents' information and so on.
- This could be a great idea for a startup. Can be used to predict possibility of genetic diseases using machine learning.

Graduate Admissions Predictor: Tech Stack: Python, Scikit learn, Pandas, R
- Designed a machine learning model for predicting the chances that a student will get admission in a certain graduate school given his scores like GRE scores, TOEFL scores etc.
- Improved the model using algorithms like logistic regression and decision trees
- Represented Statistical Analysis and results using visually appealing Pictographs, High Charts, and Fusion Charts using R

Twitter-who-posted   Tech Stack: Python, Sklearn, Twitter Api Package, Textacy(NLP)
- Developed a machine learning project to identity the original owner of the post. This application analyses the tweets from the users to identify other posts form them. Used tdifvectorizer to find **ngrams** and vectorize the data.
- Advanced the application to mine both persons' tweets and creates a tweet wireframe.

Spartan Connections: Tech Stack: ReactJS, HTML5, CSS3, Redux, NoSQL, NodeJS/Spring Boot
- Built a student portal in a team using Agile methodologies designing ReactJS based Web App which help Students in mentoring/advising by creating connections/links with their senior students & Alumni of the university.
- Implemented Dynamically Rendered Web pages to enhance UI/UX.