ZAINIYA MANJIYANI

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SKILLS:

- **Backend experience -** Java, C, C++, Python, PHP, NodeJS, REST Services, web applications.
- **Frontend experience -** JavaScript, HTML, CSS, AngularJS, BootStrap, AJAX, JSON, Foundation, JSP, VueJS, HUGO.
- **Database technologies** - MySQL, Oracle, SQLite, SQL Server 2017.
- **Platforms & Tools** - Android, Linux, GIT, Jupyter Notebook.
- **Google technologies** - Text-to-speech, Google App Engine.

RELEVANT EXPERIENCE:

Software Developer at Office of Water Programs, Sacramento State University, CA   Mar 2017 - June 2019
- Wrote SQL procedures to update ETL pipeline for email functionality that handles millions of records.
- Added RSA based asymmetric encryption capability to existing data access scripts that increased security of data.
- Developed puzzle solving game application that enhance student's learning process.
- Design, Implemented Frontend as well as Backend code for new website of owp.csus.edu project.
- Making design decisions for User Interface and User Experience.
- **Technologies: SQL Server 2017, HUGO, PHP, VueJS, JavaScript ES6, CSS, BootStrap, Foundation, AJAX**

Assistant System Engineer at TATA Consultancy services, **Pune, Maharashtra India**   Mar 2016– Dec 2016
- Worked on Vanguard web application modules and resolved issues that were reported.
- Developed office stationery management web application.
- Innovation team member.
- **Technologies: Java Spring, AngularJS, JSP, MySQL, HTML, JSON**

Software Developer Intern at Kalindi Software, Surat, Gujarat, India   Jun 2014 - Aug 2014
- Implemented company handling module as a part of Financial Accounting System.
- Designed the system to support data mobility.
- **Technologies: Java, MySQL**

ACADEMIC QUALIFICATION:

- **Master of Science in Computer Science (GPA: 3.564)**   Jan 2017 - Present
  California State University - Sacramento, Sacramento, CA

- **Bachelor of Engineering in Computer Science and Engineering (GPA: 3.50)**   Jul 2011 - Jun 2015
  Gujarat Technological University, Gujarat, India

RELEVANT PROJECTS:

Public Health Awareness System using Blockchain   Aug 2018 - Present
- Built decentralized system using blockchain that gives alert for widespread disease in neighborhood.
- Used MetaMask and Ropsten Ethereum network to store disease cases occurred in a day.
- Implemented JAX-RS based API to interact with system from Web3 based user interface.
- Applied Linear Regression algorithm on data to predict alert for widespread disease and achieved RMSE of 1.9
- Developed crawler to fetch disease and its symptoms from web
- **Technologies: Java, Python, Solidity, Ethereum, TensorFlow, sklearn, Linear Regression**

Popcorn   Aug 2017 - Dec 2017
- Developed movie recommendation system that recommends movies based on user interest and reviews.
- Implemented Elasticsearch indexes on Rotten Tomatoes database that provided fast searching results.
- Optimized query performance by introducing cluster indexing on the database resulted in reduced data fetch time.
- **Technologies: Java, MySQL, Elasticsearch**

gSpeak   Jul 2014 - May 2015
- Developed hand gesture to speech conversion android application that helps disabled people to communicate.
- Implemented image recognition technology to recognize personalized hand gestures and remove sign language barrier.
- **Technologies: Android, SQLite, Deep Learning**

C-Quest   Jul 2014 - Sep 2014
- Developed client server architecture for examination system application that handles concurrent requests.
- Implemented real time leader board that gives insights on result of test to examiner.
- **Technologies: Java, MySQL, C**