RASNA HUSAIN
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EDUCATION

University of California, San Diego   **La Jolla, CA**
Major: BS in Economics and Mathematics, Minor: Computer Science.   *Dec. 2021*

PROFESSIONAL EXPERIENCE

Nisum Technologies   **Fremont, CA**
Software Engineer, Backend developer   *Jul 2022 - Nov 2022*
- Participated in an intensive 3-month training in agile development environments using project management tools like JIRA to develop expertise in phase and sprint planning, daily standups and sprint and phase reviews.
- Increased proficiency in OOP (Java), SaaS applications, RESTful APIs, Selenium, AWS, & scripting (Python).
- Developed expertise in MySQL and NoSQL using Microsoft Azure, ORACLE, Mongo DB and Snowflake.
- Followed Scrum practices to improve communication across a cross-functional team via Git-hub and Spring.
- Collaborated with 10 data engineers efficiently in a fast-paced setting to maintain client needs & specifications.

PROJECTS

Nisum   **Fremont, CA**
Albertsons Safeway Website | Language: SQL, Java, JSON   *Oct 2022*
- Proposed an e-commerce website design for Safeway in collaboration with 5 groups of front-end developers.
- Generated an Oracle database system using SQL to allocate product data from inventory, orders & warehouse.
- Tested, debugged, maintained database data & schema design development according to SDLC methodologies.
- Invoked Java operated messaging systems using Kafka & Spring frameworks to facilitate team communication which integrates front-end development and updates the website & inventory, orders, & warehouse in real-time.
- Deployed the website with 10 data engineers alongside front-end engineers in a PowerPoint group presentation.

De Anza College   **Cupertino, CA**
Country Statistics (Data Science Project) | Language: Python   *May 2021*
- Investigated sample country, population & income levels data with Jupyter Notebook over a period of 2 weeks.
- Executed NumPy & Panda arrays and its attributes to exhibit 2 approaches to storing data in the data frame.
- Applied matplotlib.pyplt to plot 2 bar charts to visually represent mean population against region & income.
- Proof of increasing growth rate of regional mean population over 60-years was forecasted in a line graph.

De Anza College   **Cupertino, CA**
School Library Database (RDBMS Project) | Language: SQL   *Jun 2020*
- Designed an ER model and data/flow diagrams to portray attributes of a school library using Microsoft Paint.
- Translated the model to a relational schema to build a database & incorporated primary keys to form an RDB.
- Exhibited query execution, updating, merging and data retrieval to denote key functionality of relationships.

De Anza College   **Cupertino, CA**
Statistics of Gun Violence in USA (Data Structures Project) | Language: C++   *Jun 2019*
- Led a team of 3 to allocate project tasks - collect data, organize & develop data structures & summarize reports.
- Implemented data structures - binary trees, binary search trees, heaps, stacks, vectors, hash tables & linked lists to store, sort, add, delete, update, search, calculate and display data statistics, according to validated user input.
- Attained results suggested shootings were prevalent in Texas & led by white men with a fatality count of 3121.
- Presented reports including statistics, UML & data structure diagrams in a final PowerPoint class presentation.

SKILLS

- *Programming Languages*: Java, C, Visual Basic, HTML, MATLAB, CSS, JavaScript, Linux.
- *Tools*: Jira, AWS, PyCharm, DBMS, GA, MS Word Excel, GitHub, RedHat.