

SHWET SAOJI

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EDUCATION:

San Diego State University MS in Computer Science; GPA: 3.9/ 4 <i>-Theory of Parallel Algorithms</i> <i>-Machine Learning</i>	<i>-Scientific Database Techniques</i> <i>-Modern Web Development Framework</i>	<i>-Principles of Data Science</i> <i>-Adv Object Oriented Design Programming</i>	San Diego, CA Aug 2022 – Present
University Of Pune Bachelor of Engineering in Computer Engineering			Pune, India Jun 2014 – Jun 2018

EXPERIENCE:

Full Stack Developer (Website) <i>HTML, CSS, JavaScript, PHP, WordPress, Omni CMS, SQL.</i> SDSU Office of Science	San Diego, California May 2023 – Present
<ul style="list-style-type: none">Implemented full-stack design using HTML, CSS, JavaScript, and PHP to improve overall website aesthetics.Spearheaded a better engineering effort to modernize website code by migrating from WordPress to Omni CMS.Automated webpage creation through Google Apps Script to create 1000+ web pages, reducing manual work by 99%.	
Application Development Analyst <i>Agile, Scrum, Ab-initio, Python, SQL, Autosys, ETL, data modelling.</i> Accenture	Pune, India Jun 2021 – May 2022
<ul style="list-style-type: none">Streamlined the cost calculation process for client teams, resulting in accurate and reliable agile cost metrics, using Rally API as primary data source. Utilising Ab-initio, python and SQL transformed raw data into information.Utilised Ab-initio to Extract and validate data from multiple sources. Created automated processes using Shell Scripting to notify and correct erroneous data.Implemented business logic on validated data to get desired outcomes as per client requirements.Improved data accessibility by loading processed data into a centralised database, facilitating easy querying and reporting. Implemented Stored Procedures and triggers to maintain database integrity.Enhanced the efficiency by 90% utilising Autosys to automate data retrieval and processing tasks.	
Data Engineer <i>Shell Scripting, Ab-initio, Agile, S3, Lambda, Snowflake, Teradata, SQL.</i> Bitwise	Pune, India Oct 2018 – Apr 2021
<ul style="list-style-type: none">Leveraged banking data and credit bureau information to perform in-depth analysis of existing bank customers. Utilized advanced data analytics techniques to assess creditworthiness and determine suitable line of credit disbursement amounts.Developed a highly scalable data flow pipeline using Ab-initio as the ETL tool, shell scripting to automate and optimise tasks, Teradata and Snowflake as database and IBM TWS as scheduling tool.Automated error notifications for scheduled processes through Shell Scripts, ensuring timely error resolution and adherence to SLAs. Reduced manual efforts by 90%.Spearheaded an effort to migrate data to cloud. Used AWS S3 and Lambda functions to push data into Snowflake SaaS platform.Used Protegrity engines to mask sensitive data. Developed robust applications to handle tokenised data.	

PROJECTS:

Restaurants Success Prediction link <i>Python, Panda, NumPy, Jupyter, scikit-learn, ML algorithms, Matplotlib.</i>
<ul style="list-style-type: none">Predicted the success rate of new restaurants with 98.87% accuracy using multiple machine learning algorithms.Performed Exploratory Data Analysis on 12000+ restaurant's data to derive relations between various features.Followed data science life cycle and implemented EDA, feature engineering and selection, and model building.
AI text to image generation app <i>MongoDB, Express, ReactJS, NodeJS, HTML, CSS, Vite, Tailwind.</i>
<ul style="list-style-type: none">Developed a full-stack MERN web app with integrated DALL-E API for AI-based image generation.Successfully implemented text-to-image generation based on user input text. Utilized Vite as build tool and Tailwind CSS for efficient UI design. Integrated Cloudinary for optimized image load speed.Implemented features like sharing images with community and image downloading.
Sorting Visualizer link <i>JavaScript, HTML, CSS, Data Structures, Algorithms.</i>
<ul style="list-style-type: none">Developed interactive sorting visualizer webapp that implements different sorting algorithms to sort numbers.Implemented sorting algorithms using JavaScript. Enabled user interaction by utilizing event driven programming.Leveraging HTML and CSS, created an engaging user experience through visual animations, allowing users to observe and understand the sorting process.

PROGRAMMING SKILLS:

- Programming Languages: Python, JavaScript, Bash Shell Scripting, C++, SQL, HTML, CSS, Bootstrap, PHP
- Database: MySQL, MongoDB, Teradata, Snowflake
- Technologies: Github, REST, Express, ReactJS, NodeJS, Tailwind, pandas, scikit-learn, Linux
- Tools and cloud: AWS S3, Git, Ab-Initio, IBM Job scheduler, Autosys