SHWET SAOJI

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EDUCATION:

San Diego State University   San Diego, CA
MS in Computer Science; GPA: 3.9/ 4   Aug 2022 – Present

University Of Pune   Pune, India
Bachelor of Engineering in Computer Engineering   Jun 2014 – Jun 2018

EXPERIENCE:

Software Engineer Intern (Website) | *HTML, CSS, JavaScript, PHP, RESTful API, Omni CMS, SQL.*   San Diego, California
SDSU Office of Science   May 2023 – Present
- Utilized google sheets integrated with Apps Scripts, and stored procedures to build and format content to populate the MariaDB directly, producing 1000+ Web Pages. Reduced Manual activity by 90%.
- Sourced data from external database using Restful API at runtime. Increased performance by 37% by parsing returned JSON values and leveraging JavaScript to dynamically hide fields with no content.
- Collaborated with 8 departments across the college to understand requirements and develop research lab websites.

Software Engineer | *Python, Bash scripting, Jenkins, MySQL, Agile, Scrum, ETL.*   Pune, India
Accenture   Jun 2021 – May 2022
- Followed Product Lifecycle Management to streamline the cost calculation process for cross functional teams, resulting in accurate and reliable agile cost metrics. Used Rally API as primary Information reservoir.
- Using python, automated the process to parse and clean input files, reducing production failures by 50%.
- Improved accessibility by injecting engineered info in MySQL database, facilitating easy querying/reporting.
- Engaged in agile scrum meetings to convert business needs into innovative solutions following SDLC.
- Conducted comprehensive unit testing leading to 55% reduced bugs and improved code quality.
- Developed CI/CD pipelines using Jenkins, increasing development efficiency by 43% through automated testing.

Software Engineer | *Shell Scripting, AWS S3, AWS Lambda, Junit, Snowflake, Teradata, IBM TWS.*   Pune, India
Bitwise   Oct 2018 – Apr 2021
- Employed banking data and credit bureau information to conduct comprehensive analysis of established bank customers to evaluate creditworthiness and ascertain optimal line of credit.
- Spearheaded the migration from Teradata to Snowflake using AWS S3 and AWS lambda, resulting in annual cost savings of $678000 and an increase in performance of 14%.
- Designed and developed 23+ software applications based on user stories, requirements, and design specifications.
- Engineered a robust CI/CD pipeline with high scalability, processing 2 million records across 100+ tables daily.
- Developed Shell Scripts for error detection and notification, resulting in a 90% reduction in manual interventions.
- Utilized Junit to conduct Unit Testing to ensure reliability, improving error detection rate by 35%.

PROJECTS:

AI text to image generation app | *MongoDB, Express, ReactJS, NodeJS, HTML, CSS, Vite, Tailwind.*
- 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 | *JavaScript, HTML, CSS, Data Structures, Algorithms.*
- Sorting visualizer web app that facilitates algorithmic comprehension by offering real-time visual representations of sorting procedures. Used JavaScript to build interactive animations showcasing the algorithms.
- The application offers configurable options for adjusting array length and animation speed, enhancing user customization, and learning experience. Scala HTTP C# C++

Restaurants Success Prediction link | *Python, Panda, NumPy, Jupyter, scikit-learn, ML algorithms, Matplotlib.*
- 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.

PROGRAMMING SKILLS:

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