

# Sahil Dadhwal

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## EXPERIENCE

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### Data Engineer Intern

April 2024 – Present

*BTIS*

*Sacramento, CA*

- Developed ETL pipelines to extract data into MongoDB, including a project involving Jenkins via REST APIs
- Automated deployment processes by uploading code to Jenkins and scheduling autonomous runs, applying CI/CD principles
- Migrated data to Snowflake data warehouse, ensuring synchronization with Power BI reports
- Created and maintained 10+ Power BI dashboards and reports to enhance decision-making across multiple departments
- Optimized ETL performance and ensured data accuracy
- Collaborated with cross-functional teams to deliver actionable insights
- Worked closely with the CTO, directly receiving and successfully completing projects

### IT Intern

June 2023 – April 2024

*Thakur Inc, U-Haul Dealership*

*Fairfield, CA*

- Managed U-Haul truck rentals, ensuring smooth customer service and efficient vehicle turnover
- Handled rental inquiries, reservations, and paperwork, maintaining accurate records and adhering to company policies

## PROJECTS

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### Interactive Portfolio | *HTML, CSS, JavaScript*

June 2024 – July 2024

- Developed a personal portfolio website with a macOS-inspired UI to showcase my projects, skills, and resume
- Implemented dynamic modals for project details, a music player, photo gallery, and system preferences
- Integrated drag-and-drop functionality and customizable background options to enhance user experience
- Ensured responsiveness and cross-browser compatibility for a seamless user experience across devices

### MetroPlanner | *HTML, JS, CSS, Google API*

April 2024 – May 2024

- Led a team of friends in planning a trip to Seattle, utilizing Google Sheets for collaborative planning
- Developed a custom website using HTML, CSS, and JS to display trip data in a neat and interactive format
- Integrated Google APIs to dynamically fetch and display data from Google Sheets, enabling real-time updates and collaborative editing
- Implemented features for users to interact with and edit trip plans directly on the website, enhancing usability and flexibility.

### Rating Prediction for Recipes (AI) | *Python, UC San Diego Project*

Nov. 2022 – Dec. 2022

- Conducted exploratory data analysis and implemented machine learning models to predict outcomes (e.g., recipe ratings) utilizing techniques such as linear regression
- Tuned model parameters and evaluated performance, using metrics such as MSE

### BlackJack (artificial intelligence player) | *Python, UC San Diego Project*

April 2022 – May 2022

- Designed and implemented AI systems using algorithms like Monte Carlo Policy Evaluation and Q-learning for simulation and testing purposes

## EDUCATION

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### University of California, San Diego

San Diego, CA

*B.S. in Computer Science, A.S. in Mathematics & Economics*

*Sept. 2019 – June 2023*

## TECHNICAL SKILLS

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**Languages:** Python, C/C++, SQL, Java, JavaScript, HTML, CSS, Swift

**Databases:** MongoDB, Mozart, Snowflake, MySQL

**Developer Tools:** Git, VS Code, Visual Studio, Spyder, Anaconda, Power BI, Tableau, Jenkins, SDK, API