

# Sahil Dadhwal

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## EDUCATION

### University of California, Davis

*M.S. in Computer Science (In Progress)*

Davis, CA

Sept. 2024 – June 2026

### University of California, San Diego

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

San Diego, CA

Sept. 2019 – June 2023

## EXPERIENCE

### Data Engineer Intern

*BTIS*

April 2024 – Present

*Sacramento, CA*

- Worked closely with CTO, receiving projects directly and ensuring their successful completion
- Developed ETL processes using Python to extract data from various sources, including a specific project involving Jenkins via REST APIs, into MongoDB
- Uploaded code to Jenkins and scheduled autonomous runs, applying CI/CD principles to automate deployment processes
- Migrated data to Snowflake data warehouse which synced to reports in Power BI
- Ensured data accuracy and optimized ETL performance
- Collaborated with cross-functional teams to deliver actionable insights

### IT Intern

*Thakur Inc, U-Haul Dealership*

June 2023 – April 2024

*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

### Portfolio Website | *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

## TECHNICAL SKILLS

**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