Sahil Dadhwal

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EDUCATION

University of California, Davis — Davis, CA
M.S. in Computer Science (In Progress) — *Sept. 2024 – June 2026*

University of California, San Diego — San Diego, CA
B.S. in Computer Science, A.S. in Mathematics & Economics — *Sept. 2019 – June 2023*

EXPERIENCE

Data Engineer Intern — April 2024 – Present
BTIS — *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 — 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

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

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