Sahil Dadhwal

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EXPERIENCE

Data Engineer Intern — April 2024 – Present
BTIS — *Sacramento, CA*

- Developed ETL pipelines to extract data into MongoDB, including a project using Jenkins via REST APIs
- Led a team of 6 in a project management capacity during critical meeting absences, coordinating tasks and timelines
- 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 for multi-departmental insights
- Created and maintained 25+ Power BI dashboards to optimize data-driven decision-making across departments
- Collaborated with cross-functional teams to deliver actionable insights and enhance reporting accuracy
- Worked closely with the CTO, successfully completing high-priority projects with tight deadlines

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 for enhanced UX
- Ensured responsiveness and cross-browser compatibility across devices

MetroPlanner | *HTML, JS, CSS, Google API* — April 2024 – May 2024

- Developed an interactive trip-planning web application by integrating Google Sheets API for real-time data synchronization and seamless user experience
- Engineered a feature that allows users to update trip details directly through the website, with changes dynamically reflected on Google Sheets, enhancing user interactivity and workflow efficiency

Rating Prediction for Recipes (AI) | *Python, UC San Diego Project* — Nov. 2022 – Dec. 2022

- Built machine learning models to predict recipe ratings using linear regression, optimizing model parameters
- Conducted exploratory data analysis to improve feature selection and model performance

BlackJack (AI player) | *Python, UC San Diego Project* — April 2022 – May 2022

- Developed AI systems using Monte Carlo Policy Evaluation and Q-learning algorithms for simulation and testing

EDUCATION

University of California, Davis — Davis, CA
M.S. in Computer Science — *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*

TECHNICAL SKILLS

Languages: Python, Java, C++, SQL, HTML/CSS, JavaScript, Bash, PHP, R
Developer Tools: Git, Docker, Jenkins, Power BI, MongoDB, Snowflake, Pandas, NumPy, PowerShell, Linux, API
Libraries/Frameworks: Flask, Bootstrap, React, Django