

Sahil Dadhwal

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EXPERIENCE

Data Engineer Intern

April 2024 – Present

BTIS

Sacramento, CA

- Architected and implemented an end-to-end data pipeline integrating Jenkins deployment data via REST APIs into MongoDB, with automated daily synchronization to a data warehouse for executive-level reporting
- Developed mission-critical Power BI dashboards utilized by CTO and upper management for real-time monitoring of deployment status, system health, and operational metrics
- Led a team of 6 in a project management capacity during critical meeting absences, resulting in on-time project delivery and improved team communication
- 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, actively utilized by multiple departments for daily decision-making
- Collaborated with cross-functional teams to deliver actionable insights and enhance reporting accuracy

Team Lead

June 2023 – April 2024

First Northern Bank

Dixon, CA

- Trained and mentored new employees, improving team productivity
- Supported branch management by resolving customer escalations and maintaining operational efficiency
- Managed comprehensive banking services including account openings and wire transfers
- Processed complex financial transactions up to \$2 million
- Prepared detailed financial reports, ensuring accuracy in daily transaction logs and maintaining legal compliance

PROJECTS

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