

Shreya Sudan

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EDUCATION

University of California, San Diego

B.S Data Science | Overall GPA: 3.87

San Diego, CA

Expected Graduation: June 2025

• Relevant Coursework: Data Structures and Algorithms, Linear Algebra, The Practice and Application of Data Science, Spectral Embedding, Data Mining, Scalable Systems, and Data Management.

WORK EXPERIENCE

Innodata Inc.

R&D Intern

New York, NY

July–September 2024

- Developed an automated end-to-end data pipeline for cross-referencing academic scientific papers.
- Implemented a comprehensive ML Model, using Groq, to identify, extract, and format citations with a F-Score of 93%

Teaching + Learning Commons

Lead Teaching Assistant

San Diego, CA

September 2023–Present

- Lead a team of tutoring assistants to support students in diverse subjects and new tutoring strategies that improved student performance and satisfaction.
- Rendered consultation on foundational college STEM courses to more than 100 students

Indian Institute of Technology, Roorkee

Research Intern

Uttarakhand, India

July–September 2023

- Conducted preliminary research on the learning model 3D Convolutional Neural Network and 3D Generative Adversarial Network to determine the appropriate model for dental crown reconstruction
- Identified crucial features for the baseline model, prioritizing accuracy and patient experience enhancement and proposed the premise of the research hypothesis to test the validity of 3D GAN as a technological aid to dental healthcare

IFI Techsolutions

Data Intern

New York, NY

June–August 2023

- Developed an end-to-end migration of data from Excel sheets to the cloud using MySQL, streamlining data accessibility and scalability
- Implemented a hierarchical data structure for unstructured data as per organizational requirements, enhancing data organization and accessibility, utilizing Power BI and Microsoft Fabric to conduct data analysis and generated insightful reports to support business analysts, contributing to data-driven decision-making within the organization

Data Science Student Society Consulting

ML Consultant

San Diego, CA

January–June 2023

- Utilized Pandas to conduct market research for an e-commerce start-up at San Diego, developing user analytics and identifying the target demographics to conduct additional analysis
- Designed a hypothesis test to determine apt features for a Multilinear Regression model to predict sales and implemented feature engineering and hyperparameters search to train a learning model, maximizing sales

PROJECTS

Data Dough

A comprehensive predictive analysis of salaries accrued by Data Scientists

Independent Project

June–August 2023

- Conducted a series of rigorous analytical procedures, including data cleansing, exploratory data analysis, data visualizations, hypothesis testing, and predictive analysis
- Developed a series of Baseline Multiclass Classification models to predict the experience level of Data Scientists, implementing SMOTE to ensure a fair model, achieving a precision score of 75%

Formula-One Breakdown

Time-Series Analysis

Data Science Student Society, UCSD

January–June 2023

- Designed a Time Series Analysis to determine the greatest of all time Formula-One racer
- Conducted meta-data analysis to develop a multilinear regression model with a R^2 score of 0.6

Data Dish (I+II)

An in-depth analysis of publicly available data sourced from [food.com](https://www.food.com)

DSC 80, UCSD

March–June 2023

- Extensively cleaned the data and conducted an exploratory data analysis on recipes and user data
- Trained a Regression model and implemented feature engineering to estimate the number of steps in a recipes

SKILLS

Python, SQL, PostgreSQL, Pandas, Microsoft Fabric, PySparks, Microsoft MLOps, Power BI, Java, JavaScript, React.js, Data Visualization, Multiclass Classification, Scikit Learn, Decision Trees, SMOTE, Time-Series, 3D-CNN, 3D-GAN, Multilinear Regression, GridSearch CV, Data Engineering, MATLAB, Leadership, Machine Learning, Artificial Intelligence, Hadoop