

Shreya Sudan

(408)-385-6666 | shreyaa123@gmail.com | [LinkedIn](#) | [GitHub](#) | [Website](#)

EDUCATION

University of California, San Diego

B.S Data Science | Overall GPA: 3.89

San Diego, CA

Expected Graduation: May 2025

• Relevant Coursework: Data Structures and Algorithms, Linear Algebra, Spectral Embedding, Data Mining, and Scalable Systems

WORK EXPERIENCE

ServiceAgent

Remote

AI Development Intern

June 2025-Present

- Built backend integrations with Merge.dev to sync candidate data and attach AI-scoring reports and PDF resumes via ATS-agnostic APIs
- Connected those services to our Vercel-hosted frontend, enabling recruiters to view/download candidate profiles and scores in real time

Innodata Inc.

New York, NY

Research Intern

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

San Diego, CA

Lead Teaching Assistant

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.

Indian Institute of Technology, Roorkee

Uttarakhand, India

Research Intern

July-September 2023

- Conducted preliminary research on the learning model 3D CNN and 3D GAN 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

New York, NY

Data Intern

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

PROJECTS | [GitHub](#)

SwiftGuard | [Website](#) | [Code](#)

Capstone Project

Securing the Future of AI

September 2024-March 2025

- Achieved 88% attack detection accuracy with a false positive rate of 9.67%, ensuring robust protection against adversarial prompts.
- Developed two configurations: SwiftGuard Classic, optimized for speed with a 0.3s response time, and SwiftGuard Precision, optimized for reliability with a false positive rate of 0.5%.

Eyes Wide Open | [Code](#)

Independent Project

Decoding Neural Patterns: Advancing Alzheimer's Diagnosis through EEG Analysis

January-March 2025

- Employed advanced signal processing and feature extraction techniques, achieving a classification accuracy of 85% in differentiating AD from healthy subjects.
- Utilized ML models like Support Vector Machines (SVM), to enhance diagnostic precision.

Food Recommender System | [Code](#) | [Report](#)

Independent Project

Personalizing Culinary Experiences: A ML Approach to Recipe Recommendations

September-December 2024

- Developed a personalized recipe recommendation system using collaborative filtering and content-based filtering on a dataset of over 500,000 recipes and 1 million user interactions.
- Implemented matrix factorization techniques, achieving a Root Mean Square Error (RMSE) of 0.85 in predicting user ratings for recipes.

SKILLS

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