SUMMARY

Data Science graduate with proven expertise in AI/ML development and production system deployment. Built AI security systems achieving 88% attack detection accuracy and developed comprehensive ML models with 93% F-Score. Experienced in LLM fine-tuning, neural networks, and enterprise API integrations.

CONTACT

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- (408) 385-6666
- San Francisco, CA

EDUCATION

UC SAN DIEGO
BS, Data Science
2025 | GPA: 3.89 | Cum Laude

SKILLS

Python, SQL, Pandas, Microsoft Fabric, PySpark, MLOps, Power BI, Java, JavaScript, TypeScript, React.js, RAG, Decision Agentic AI, Fine-Tuning LLMs, SMOTE, Time-Series, 3D-CNN, 3D-GAN, Transformers, GridSearch CV, Data Engineering, Machine Learning, Artificial Intelligence, Hadoop, API Integration

Shreya Sudan

EXPERIENCE

AI Development Intern | ServiceAgent *June 2025 - Present*

- Built production backend integrations with Merge.dev for ATS-agnostic candidate data synchronization
- Developed real-time AI-scoring reports and PDF resume processing via enterprise APIs
- Connected ML services to Vercel-hosted frontend, enabling real-time candidate profile analysis

R&D Intern | Innodata Inc. *July – Sept '24*

- Implemented comprehensive ML model using Groq achieving 93% F-Score for citation extraction
- Developed automated end-to-end data pipeline for cross-referencing academic scientific papers
- Optimized model performance through advanced feature engineering and hyperparameter tuning

Research Intern | Indian Institute of Technology, Roorkee *July - Sept '23*

- Conducted neural network research on 3D CNN and 3D GAN models for dental crown reconstruction
- Identified crucial features for baseline model optimization, prioritizing accuracy enhancement
- Proposed research hypothesis for 3D GAN validation as technological aid in dental healthcare

PROJECTS

SwiftGuard | *Capstone Project* *Sept '24 - March '25*

- Developed AI-powered attack detection system achieving 88% accuracy with 9.67% false positive rate
- Created dual configurations: SwiftGuard Classic (0.3s response) and Precision (0.5% false positive)
- Implemented robust protection against adversarial prompts using advanced ML techniques

Eyes Wide Open | *EEG Alzheimer's Detection* *Jan - March '25*

- Built neural pattern analysis system achieving 85% accuracy in differentiating AD from healthy subjects
- Applied advanced signal processing and feature extraction techniques for medical AI applications
- Utilized Support Vector Machines and ensemble methods for enhanced diagnostic precision

Food Recommender System | *Independent Project* *Sept - Dec '24*

- Developed personalized recommendation engine processing 500K+ recipes and 1M+ user interactions
- Implemented collaborative filtering and content-based algorithms achieving RMSE of 0.85
- Built scalable matrix factorization system for real-time user rating predictions