

Sanchit Goel

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EDUCATION

University of California, San Diego

Sept 2023 - 2025

Master of Science in Data Science

Ashoka University

May 2016 - 2020

Bachelor in Economics and Computer Science | Dean's List

EXPERIENCE

Data Science Consultant | Fractal Analytics, India

Oct 2020 - Aug 2023

Star Awardee, recognized for my commitment and leadership in FY 2021-22. Presented to fewer than 2% of employees.

- Spearheaded the development of an ML-driven content tagging automation platform for **Merck and Co.**, reducing manual tagging of healthcare documents by 90%.
- Collaborated closely with Merck's market leaders for solution adoption and onboarded 12 new European markets.
- Led a cross-functional team of 3 for the BYO model transition, **reducing inference costs by 30% and improving F1 score by 14%** by replacing AWS Comprehend with BERT models.
- Trained and deployed production models for the US and Europe, achieving an average F1 score of 0.88.
- Engineered a robust deployment and inference pipeline powered by AWS ECR, SageMaker, and Eventbridge.
- Developed an intelligent E2E invoice processing solution for Fractal's admin team. Trained using XGBoost on over 800 invoices and orchestrated through WorkFusion. Resulted in monthly savings of \$5,000 in labor costs.

Freelance Data Scientist | Part Time, Upwork

July 2022 - Dec 2022

- Simultaneously managed multiple client projects and presented SOWs to define project objectives and timelines.
- Developed an automation solution to process blood test reports (KFT and LFT) using Azure Forms AI.
- Built and hosted large-scale financial web applications using Streamlit on AWS EC2.

RESEARCH

Graduate Student Researcher | UCSD, California

Sept 2023 - Present

- Researching ML methods to enhance mental health outcomes in Dr. Ellen Lee's lab.
- Predicting loneliness through acoustic and psycho-linguistic analysis of recorded interviews with elderly individuals.

Research Intern | Ashoka University, India

May 2020 - Sep 2020

- Collaborated with Dr. Kanika Mahajan on 'Words matter: Gender, Jobs, and Applicant Behaviour [AAEA],' investigating the influence of implicit gender preference in job advertisements on the labor market using NLP.
- Supported Dr. Mahajan in the research paper 'Covid-19 and Supply Chain Disruption [IZA],' computing distances between production zones and retail centers across India using the Google Maps API.

SKILLS

Languages and Frameworks: Python, PyTorch, SQL, Docker, Stata, JavaScript, CSS, Rest API, NGINX

Machine Learning: Natural Language Processing, Deep Learning, Keras, TensorFlow

Project Management: Git, JIRA, Bitbucket, Agile, Strategy, Team Management, Consulting, Problem-solving

Cloud: EC2, SageMaker, Comprehend, ECR, DynamoDB, EventBridge, CloudWatch, SNS, S3

CERTIFICATIONS

AZ-900: Microsoft Azure Fundamentals: Microsoft

Google Cloud Fundamentals: Google

Introduction to Big Data: Coursera

Maths for Machine Learning: Coursera