

Anant Gandhi

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WORK EXPERIENCE

Indegene

Senior Data Scientist | July 2024 – Present

New Delhi, India

- Building complex data pipeline using Python, Microsoft SQL Server, Dataiku to increase adoption of company drugs for relevant diagnoses.
- Used sklearn for feature engineering and pre-processing, combining 50 datasets for total output of 970 features (patients, diagnoses, prescribers, etc.)
- Implemented and optimized ML models (e.g. XGBoost) on dataset of 1M+ records, with accuracy of 77%.
- Designed A/B tests to improve model performance, supporting data-driven decisions for marketing and product teams
- Collaborated with product team to define reporting requirements and build scalable reporting solutions using SQL and Python.
- Delivering end-to-end solutions to drive marketing strategies that convert lower-level HCPs to higher prescribing levels diagnoses.

Qualcomm

Data Scientist | July 2021 – December 2023

San Diego, CA

- Implemented anomaly detection models using Azure AI tools to monitor infrastructure events and backups. Configured Metrics Advisor for real-time alerting, reducing response time by 10+ hours/month.
- Designed microservice architecture on Databricks Spark using ServiceNow API and NLP models, to automate configuration item processing, eliminating manual workload of 5 hours/week.
- Built ETL workflow on AWS Glue Studio for large-scale data ingestion and reporting. Used causal inference analysis and hypothesis testing to improve SageMaker querying performance by 3%.
- Designed and deployed automated systems for event-level tracking of infrastructure anomalies across 50+ systems/week
- Led data quality initiatives, ensuring accuracy and completeness of datasets for model training and reporting.

Qualcomm

Data Scientist Intern | June - September 2020

San Diego, CA

- Saved 5+ hours/week of maintenance & resource planning using Microsoft SQL Server & Databricks.
- Created Power BI dashboard with multiple KPIs (downtime, reliability, repair time) to visualize and monitor global licensing.

San Diego Supercomputer Center, Data Analytics Lab

Research Assistant | April 2020 – June 2021

San Diego, CA

- Augmented satellite image analysis to aid in wildfire risk assessment and mitigation using ML, Deep Learning, and image processing methods.
- Classified satellite images into wildfire severity categories using CNN & UNet models with up to 85% accuracy.

Sage Digital Corp

Data Scientist Intern | August – December 2019

Palo Alto, CA

- Developed schemas & maintained large databases using Microsoft SQL Server to operate business directory app.
- Conceptualized features to provide 1000+ users with curated live location recommendations.

Scripps Research Translational Institute

Data Analytics Intern | June – July 2019

San Diego, CA

- Applied causal inference methods on genomics data (logistic regression, counterfactual analysis) to isolate treatment effects and identify genetic markers associated with rare diseases.

SKILLS & CERTIFICATIONS

Skills: Python, Microsoft SQL Server, Spark, Windows Server, PowerShell, Cloud Platforms (AWS, Azure, Databricks), S3, Dataiku, Tableau, Power BI, R, MATLAB, Microsoft Office, MySQL, PostgreSQL, TensorFlow, Git, Docker, Kubernetes, Java, Help Desk Systems (ServiceNow), strong communicator, collaborative

Certifications: Microsoft Certified Azure Data Scientist, Microsoft Certified Azure Data Engineer, IBM Cybersecurity Analyst

EDUCATION & LEADERSHIP

University of California San Diego

September 2017 - June 2021

Bachelor of Science (B.S.) - Data Science

Coursework: Machine Learning & Deep Learning Methods, Neural Networks, Data Structures & Algorithms, Data Visualization, Mining, High-Dimensional Analysis, Visualization, Feature Engineering, Scalable Analytics Systems, Text Mining & NLP, Relational Database Management; Business Analytics; Statistical Modeling; Hypothesis Testing; Graph Theory; Spanish

Leadership: UCSD Data Science Student Society (Technical Lead, Organizer, Mentor); UCSD ML Club (member); Amartya Organ Donation Initiative (founder); Intramural Soccer (team captain); Pi Kappa Phi (Founding Father, Zeta Beta Chapter)