

Anant Gandhi

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WORK EXPERIENCE

Indegene

Data Scientist | July 2024 – Present

New Delhi, India

- Building complex, secure 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 identify genetic markers associated with rare diseases, and guide drug development.

SKILLS & CERTIFICATIONS

Skills: Python, ~~Microsoft SQL Server~~, Spark, Windows Server, Linux, 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)