Contact

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(LinkedIn)

Top Skills

Amazon QuickSight

Descriptive Analysis

Amazon Web Services (AWS)

Languages

Hindi (Native or Bilingual)

Telugu (Limited Working)

English (Full Professional)

Punjabi (Limited Working)

German (Elementary)

Certifications

What is Data Science?

Data Analysis with Python

SQL (Basic)

SQL (Intermediate)

PGDMLAI February 2021 |
Preparatory Course

Sharandeep Singh Handa

Data & Analytics @ Amazon | MuSigman
Hyderabad, Telangana, India

Summary

Results-driven data scientist with a proven track record of leveraging statistical analysis, machine learning, and data visualization to drive strategic decision-making. Equipped with 5 years of industry expertise, adeptly proficient in Python, R, and SQL, along with advanced knowledge of big data technologies like Hadoop and Spark. A collaborative and goal-oriented team player, dedicated to transforming raw data into valuable insights that fuel business growth.

Experience

Amazon
4 years

Business Intelligence Engineer II
July 2025 - Present (6 months)
Hyderabad, Telangana, India

Business Intelligence Engineer
January 2022 - September 2025 (3 years 9 months)
Hyderabad, Telangana, India

Business Intelligence Engineer | Amazon Last Mile

Driving analytics and BI solutions to optimize Amazon's global Last Mile operations. Focused on improving workload sustainability, safety, EV adoption, and driver efficiency across North America, Europe, and Japan.

- Designed and launched a workload monitoring framework that enabled station- and provider-level visibility into driver effort, helping leadership proactively manage attrition risks and improve delivery sustainability

- Built an EV performance analytics dashboard (30+ metrics) that tracked fleet headroom, range variability, and station-level gaps—driving a 48% improvement in EV vs ICE efficiency gap and 7% fewer EV rescues, directly supporting Amazon's 100,000 EV deployment goal

- Developed advanced adoption-tracking logic for driver-area assignment tools, increasing adoption rates in the US from 36% to 60% and reducing manual analysis effort by 4 hours per week

- Automated the migration of 60+ dashboards from Tableau to QuickSight by creating a Python + Docker app to extract calculated fields, cutting migration time by 120–240 hours and eliminating manual conversion errors

- Established a template health monitoring system (18+ KPIs, automated alerts) to detect planning failures across multiple tech and operations teams, improving cross-team collaboration and system reliability

- Conducted deep-dive analysis of late-evening delivery routes, showing they had 22% higher workload and 44 minutes longer service time, and identified start-time shifts that could move 70% of those routes to daylight—insights presented to senior leadership for safety strategy decisions

- Owned and scaled executive reporting frameworks (70+ KPIs across NA & EU) for Weekly/Monthly/Quarterly Business Reviews, enabling data-driven decisions at the VP/SVP level while mentoring new BIEs on BI standards

Airbnb Host
AirBnB Host
October 2023 - Present (2 years 3 months)
Hyderabad, Telangana, India

Airbnb Host | Self-employed

Applied data-driven strategies to manage short-term rental operations across multiple properties, driving occupancy, revenue growth, and guest satisfaction.

- Manage 4 active listings end-to-end, including pricing, occupancy, guest experience, and operations

- Designed data-driven pricing strategies (seasonal, early-bird, last-minute discounts) to optimize utilization and maximize rental yield

- Track occupancy rates, revenue per property, and booking patterns to identify trends and improve profitability

- Maintain 5-star guest satisfaction through proactive communication, streamlined check-in/check-out, and prompt issue resolution

- Expanded visibility and reach by listing properties across Airbnb, MakeMyTrip, and Goibibo, improving booking conversion

Enquero
Senior Data Scientist
July 2021 - January 2022 (7 months)
Hyderabad, Telangana, India

Trading Analytics | Fortune 100 Client | Europe's largest sportswear Manufacturer

Contributed towards analyzing big datasets and creating actionable insights for the client by leveraging machine learning techniques.

- Forecasted a launch plan for the company's product line capsulated in a time-series forecast using Prophet model

- Composed a sales driver model to identify demand generation contribution by responsible teams using Random Forest

- Estimated and Reconciled financial targets to weekly level for traders to assess weekly merchandise performance

- Conducted research to determine the effectiveness of campaign strategies to increase sales for particular product colors

Mu Sigma Inc.
3 years 2 months

Decision Scientist
May 2020 - July 2021 (1 year 3 months)
Bengaluru, Karnataka, India

Multi-Market Platform | Fortune 10 Client | USA's multinational Retailer

Contributed to migration of deployment servers for a three-tier web application from on-premise OpenStack servers to Azure Cloud, helping the company increase its user-base by ~ 15% with a drop in latency and data loading time for the targeted users.

- Projected a strategy for application server migration to Azure, with defined advantages of Azure cloud over on-premise OpenStack servers

- Employed ~ 200 VM's on various availability zones to increase the user-base of the application, using OneOps

- Discovered an increase in active user count by ~ 15% post deploying the web application to Azure Cloud

- Created data load scripts for populating data of ~ 45 tables in SAP HANA from Hadoop, to incorporate change in the source of data

- Designed ETL workflow for Summary Tables by collating data from ~ 20 base tables to populate KPI's for stores across regions

Trainee Decision Scientist
June 2019 - May 2020 (1 year)
Bengaluru Area, India

Buyer Decision Tool | Fortune 100 Client | UK's biggest Retailer

Contributed to revamping the web application in production that proved instrumental in identifying gaps and opportunities. Ranging decisions based on scenarios that were modelled on the application, lead to an impact of ~£800K annually, as reported by users.

- Improved the logic of Range Optimisation to calculate the impact on sales due to product introduction/removal from the store

- Enhanced cannibalisation calculation method to calculate drop of sales on the introduction of a new product using RFM Analysis

- Revamped role-based authentication backend module and deployed a self-service form for users to update their designation

- Developed automated data processing workflows using shell scripts to replace manual processes, saving ~ 150 man-hours

- Updated Django-based middleware of the application to incorporate product hierarchy changes into the tool

- Devised an automated process for incorporating product hierarchy changes into the tool, saving ~ 1200 man-hours

Trainee Decision Scientist
June 2018 - May 2019 (1 year)
Bengaluru Area, India

Data Engineering | Fortune 500 Client | Emirati Holding Conglomerate

Contributed to a full-fledged data engineering project which included ingestion of data from various sources/types/networks to a centralised data mart with auditing and alert mechanism. The project catered to a Data-Driven decision-making approach for the clients.

- Prepared a Flat File Model for Data Lake and Relational Model for consumption from Data Warehouse for at least 100 TB of data

- Instituted Dynamic Data Ingestion Framework to merge and transform 5 types of data sources with Incremental and SCD Type-2 logic

- Subsumed DQM mechanism for auditing, logging and report-generation of 4 data ingestion stages

- Established data preparation pipeline for Customer Promotions using Master Data Management tables from 4 domains of data

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Education

International Institute of Information Technology Bangalore
Post Graduate Diploma, Machine Learning and AI · (2021 - 2022)

Vellore Institute of Technology
Bachelor's degree, Electronics and Communications
Engineering · (2014 - 2018)

Sri Chaitanya Junior College, Hydernagar
Higher Secondary, MPC · (2012 - 2014)

Atomic Energy Central Schools, Hyderabad [AECS 1,2,3,JC]
Secondary Education · (2012)