Manjesha N

Data Scientist | Data Engineer

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LinkedIn

Profile Summary

Data Scientist with 9 years of experience in delivering end-to-end data solutions and automation across diverse industries. Expert in data preprocessing, machine learning (ML), deep learning (DL), anomaly detection, and cloud infrastructure setup. Proven track record in building robust data pipelines, deploying predictive models, and enhancing operational efficiency through statistical analysis and automation. Skilled in leveraging AWS, Docker, and Terraform to build scalable data solutions, with domain expertise in supply chain, collections analytics, IOT and image recommendation systems.

Core Skills

- **Data Science & ML/DL:** Predictive Modeling, Anomaly Detection, Time Series Forecasting, NLP (Sentiment Analysis, NLU), Image Processing, RNN, ARIMA
- **Cloud & DevOps:** AWS (S3, EC2, Lambda, Glue, Kinesis, Athena), Docker, Terraform, Shell Scripting, Bitbucket, Git, JIRA
- **Programming & Frameworks:** Python, R, Django, Flask, SQL (MySQL, PostgreSQL), REST APIs
- **Visualization Tools:** Tableau, Power BI, Grafana, MS Excel (VBA, Pivot Tables)
- **Automation & Web Development:** Python, Excel VBA, Web Scrapy, Visual Studio

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Technical Knowledge

- **Programming Languages**: Python, SQL, R
- **Python Libraries**: Pandas, Numpy, TensorFlow, Keras, Scikit-learn, Seaborn, OpenCV, NLTK, Matplotlib, Pytest
- **Data Science & ML/DL**: Predictive Modeling, Anomaly Detection, Time Series Forecasting, NLP (Sentiment Analysis, NLU), Image Processing
- **Cloud & DevOps**: AWS (S3, EC2, Lambda, Glue, Kinesis), Docker, Terraform, Shell Scripting, Bitbucket, Git, JIRA
- **Visualization Tools**: Tableau, Power BI, Grafana, MS Excel (VBA, Pivot Tables)
- **Automation & Web Development**: Python, Excel VBA, Web Scrapy, Visual Studio.

Professional Experience

L&T Technology Services Pvt. Ltd. Bangalore
Tech Lead | Data Scientist
March 2024 – Present

- Built infrastructure for data preprocessing and data pipelines using Terraform, streamlining setup for scalable data solutions.
- Leveraged AWS services (S3, EC2, Lambda, Athena, Glue, SNS, EventBridge, and Kinesis Firehose) to create an automated dashboard for data-driven insights.
- Developed a Grafana monitoring dashboard to track key metrics and ensure system reliability.

Hexatic Pvt. Ltd., Pune
Data Scientist
Dec 2023 – Mar 2024

- Designed and deployed an automated alerting system integrated with JIRA, reducing issue reporting time by 40%.
- Predicted battery replacement needs using predictive analytics, driving proactive maintenance and reducing operational costs.

d'Alchemy Labs India Pvt. Ltd., Bangalore
Data Scientist
April 2020 – Dec 2023

- Project: Automated Anomaly Detection for Agriculture
  Developed an alert and monitoring system for a US-based agricultural client covering extensive walnut and almond farms.
  - Created ML models to identify sensor and battery anomalies, optimizing maintenance and reducing farm visit costs.
  - Established daily deployment pipelines via Docker and Bitbucket, enabling consistent updates and integration with existing systems.

Ambertag Analytics Pvt. Ltd., Bangalore
Senior Data Analyst
Sep 2016 – April 2020

- **Project 4: Image Recommendation System**
  Created an image recommendation tool for Apparels Matterials(myntra), incorporating image annotation and pattern detection through OpenCV and deep learning.
- **Project 3: Supply Chain Management & Demand Forecasting**
  Developed forecasting models for a retail client to optimize inventory across store locations, reducing overstocking by 20%.
  - Used RNN, Prophet, ARIMA, and SMA models for demand forecasting and applied clustering to identify supply chain bottlenecks.
  - Built automated reporting in Excel VBA and managed model deployment to AWS for daily updates.
- **Project 2: Collections Analytics (Accounts Receivable)**
  Supported a US-based NBFC by analyzing call center performance for loan recovery.
  - Conducted KPI analysis and RFM segmentation to prioritize customers, reducing contact costs by 30%.
  - Implemented sentiment analysis on customer interactions to evaluate satisfaction, using machine learning to advise on customer segmentation.
- **Project 1: Video Content Analytics**
  Analyzed viewer engagement and optimized content strategy for a US-based media client.
  - Performed NLP and sentiment analysis on video content using Google Voice API, providing insights on content appeal and retention.

Education

- **Bachelor of Engineering (BE) in Computer Science**
  Visvesvaraya Technological University, Belgaum | 2010 – 2015 | 58%
- **Diploma in Information Science and Engineering**
  Board of Technical Education, Bengaluru | 2007 – 2010 | 62%

Certifications & Achievements

- AI Project Management – Educative
- CI/CD Using AWS Native Tools – Educative
- Anomaly Detection Using SQL – Educative
- Python for Data Science – Udemy
- Star of the Month Award – Recognized for innovation and excellence in project execution.

Personal Details

Date of Birth: 25 Feb 1989

PAN: DKKPM2913N

Address: JP, Nagar Bangalore, Karnataka,India.

Date: Yours Sincerely,
                                                         Manjesha N