

Amulya Keerthana Harish

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Data scientist over 8 years of experience in software development, image processing, machine learning and analytics. Skilled in software development processes and ensuring comprehensive solutions and efficient project delivery.

Work Experience

Data Scientist

ISMO BTS-Regensburg

May 2023 to Sep 2025

Worked for BMW, Scherdel, Siemens and Accenture.

Data Analysis and Modeling:

- Conduct comprehensive data analysis to extract actionable insights and discern trends effectively.
- Develop and implement predictive models utilizing advanced statistical methodologies.
- Refine data models to optimize information storage and retrieval efficiency.

Python Development:

- Utilize Python programming proficiency to develop and maintain data-centric applications.
- Collaborate closely with interdisciplinary teams to implement Python-based data solutions.
- Create efficient, reusable, and modular code for data processing and analysis tasks.

Power BI Reporting:

- Generate interactive and visually engaging reports using Power BI.
- Transform raw data into insightful visualizations and dashboards for stakeholders.
- Collaborate with business users to understand reporting needs and deliver tailored solutions.

AWS Integration:

- Employ AWS services for data storage, processing, and analysis purposes.
- Deploy and enhance cloud-based solutions to streamline data science workflows.
- Ensure the security and scalability of data infrastructure on AWS.

Application Development:

- Contribute to the development of data-driven applications to enhance user experience.
- Collaborate with software development teams to seamlessly integrate data science solutions into applications.

Power Apps Integration:

- Establish connections between data models and Power Apps to facilitate user interactions.
- Ensure smooth integration and operational effectiveness between Power BI and Power Apps.

Data Scientist

Larkinfolab-Heerlen

April 2021 to February 2023

- I've been involved in every step of machine learning projects, starting from understanding what the business needs, to setting up and maintaining models. My aim has always been to make a real impact on how organizations operate.

- To get the job done, I've used tools like AWS, Azure DevOps, and custom-made frameworks tailored to each client's requirements. I'm proficient in Python, Alteryx, Qlik Sense, and Azure DevOps, which have helped me automate tasks according to what each client needs.
- I've had the opportunity to work with major clients like APG, Dalmans, ASR, and Phytowelt. In these collaborations, I've applied my expertise to support and improve machine learning projects effectively

Quality Engineer

Zebra Technologies-Bangalore

2017 to 2019

- I've specialized in Quality Assurance, employing Agile methodologies across diverse domains. I possess expertise in security, particularly focusing on network, data, and application security. I've developed and automated features such as scanners and barcode readers for various devices, including mobile and standalone ones.
- In the realm of device-level development, testing, and automation for Zebra products, I've achieved notable success. By implementing automation, I've managed to decrease manual errors by 27% and reduce costs by 9%. I analyze the outcomes of automation using Zebra-certified tools and software, and I actively engage in demonstrating device functionalities throughout the development, testing, and automation phases.
- Furthermore, I've taken on leadership responsibilities, guiding a team in automating Fusion Bluetooth and Wi-Fi processes. Additionally, I've contributed as a feature developer for Bluetooth and WLAN functionalities.

Software Development Analyst

Accenture-Bangalore, Karnataka

2015 to 2017

- I was responsible for managing all End of Day activities related to Settlement and Account for Shell Trading (Crude), primarily using the Endur ETRM system. I leveraged Endur for trade capture validation, settlement processing, and generating risk and P&L reports, ensuring compliance with trading and financial controls. My objective was to automate repetitive tasks wherever possible to minimize human error and enhance risk analysis.
- I accessed critical applications and conducted remote operations securely through Citrix, which was vital for maintaining system reliability and operational continuity. Additionally, I was tasked with configuring Total Productive Maintenance (TPM) using an Accenture-approved tool to improve system uptime and reduce manual interventions. I also conducted predictive analysis based on the trading patterns and operational activities of Shell's crude trading desk.
- Furthermore, I showcased the usage of Accenture's suite of analytical tools and IBM Watson to support data-driven decision-making. I streamlined automation processes using CRPA, an intelligent automation tool provided by Accenture, enabling faster and more accurate processing of routine operational tasks.

Education

Master's in data science and society in Data science

Tilburg University-The Netherlands

August 2019 to January 2021

Master's in Computer Application in Computers

SJCE, Mysore-India

2012 to 2015

Bachelor's in Computer Application in Computers

Mahajana University-India

2009 to 2012

Skills

- Data Engineering and analytics: Power BI, SQL, Data lakes, Qlik sense
- Machine learning and AI: Tensorflow, PyTorch, numpy, scikit-Learn, supervised/unsupervised learning, image processing, model development, parameter tuning, computer vision.
- Software development and Automation: Python, R, vue.js, Git, confluence, Docker, Agile, endure, Robot Framework, Selenium.
- Cloud Computing: AWS (Glue, Lambda, Athena, RDS, Boto3 SDK, S3, EC2, Rekognition, deep learning containers), Power apps, alteryx.

Languages

- English - Native
- German A1 Certified - Beginner
- Kannada - Native
- Hindi - Fluent

Achievements and Certifications

- I was invited to be a part of TopWomenInTech (Brussels 2022) and women in data science 2022(Eindhoven)
- Accenture Java certified
- Alteryx partner certified