

Naganathan Arjun Manicka Sridhar

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Progressive and results-oriented data analyst / software developer with a track record of improving operational efficiency by 20% through data-driven insights. Proficient in Python, SQL, and data visualization tools with known attention to detail, critical thinking, strong communication skills, analytical skills and problem-solving abilities. Committed to delivering actionable solutions and enhancing team collaboration.

WORK EXPERIENCE

Data Analyst Working Student

04/2022 – 10/2022

Taros Chemicals GmbH & Co KG, Dortmund, Germany

- Developed and published interactive dashboards and quantitative visualizations in Power BI, Microsoft Excel, and SQL, leveraging ETL process with Python and Power Query to integrate customer, finance data, and KPIs for data-driven decision-making in compliance with business objectives for stakeholders
- Developed a predictive model with logistic regression on sales and marketing data, achieving a high accuracy rate of 92% in predicting customer needs and preferences
- Executed A/B Tests on product analysis and customer analytics data, leading to 15% increase in conversion rate and delivering actionable recommendations using cross functional collaboration
- Implemented a project profitability dashboard with KPIs and documentation resulting in 20% business growth.

Associate Software Engineer

06/2017 – 05/2019

Solartis LLC, Madurai, India

- Accomplished global customer issues across cross functional teams, improving issue resolution time by 40% for database setup, UI modifications and performance monitoring with use cases on QA and UAT environments.
- Developed web apps with JSF, a Java framework to build user interfaces on the server side for the client named AllRisks, a US Insurance Company, contributing to a 20% increase in user engagement.
- Led a proof of concept to integrate a new MySQL database, upgrading the system's version effectively.
- Optimized SQL queries to handle and process large data volumes efficiently for storage.
- Utilized CI/CD tools with version control system like SVN with CodeCommit, CodeBuild, and CodePipeline, operations, reducing deployment errors by 50%.
- Employed Agile methodologies for iterative development and flexible adaptation to changing requirements with continuous improvements achieving a 25% reduction in project delivery time.
- Facilitated technical knowledge transfer sessions to onboard new team members, ensuring smooth integration and productivity.

Intern

02/2017 – 03/2017

Solartis LLC, Chennai, India

- Enhanced product quality assurance, testing, and documentation, leading to a 30% reduction in defects.
- Implemented customer's business requirements successfully resulting in a 20% increase in customer satisfaction.
- Resolved high-severity issues promptly, maintaining a 99% success rate in meeting SLAs with the client.

EDUCATION AND TRAINING

Masters in Data Science

10/2020 – Present

Technische Universität Dortmund, Dortmund, Deutschland

Machine Learning, Probability, Deep Learning, Advanced Statistical learning, Natural Language Processing

Bachelor of Engineering – Computer Science Engineering

07/2013– 05/2017

Mepco Schlenk Engineering College, Sivakasi, India (Grade: 8.1 / 10)

Databases, Artificial Intelligence, Design and Analysis of Algorithms, Fundamentals of Big Data

PROJECTS

Financial Analytics Dashboard using MySQL and Power BI

11/2023 – 02/2024

Achieved a strategic multi-page dashboard by extracting data from MySQL database, transformed the data into key performance indicators / performance metrics using Python and loaded into Power BI for a multi-page financial analytics dashboard, enabling real-time e-commerce sales analysis across countries, products and market pricing segments.

Gold Price Forecasting using Linear Regression

08/2023 – 10/2023

Forecasted the future gold value trends using a historical gold price dataset spanning 25 years with Python libraries such as Pandas, NumPy and Matplotlib

Bachelor Thesis: iFarm – A Cloud Approach using Machine Learning

11/2016 – 05/2017

Created an innovative, end-to-end farmer-centric software with an interface ensuring data validation and data security, leveraging PostgreSQL, integration of cloud-based data collection with Hadoop for cultivation pattern analysis.

TOOLS AND TECHNOLOGIES

Business Intelligence (BI), GenAI, Statistics, Business Analysis, Data Warehouse, Data Analytics, ETL, Data Modelling, Data Analysis, Scrum, CRM, CI/CD, Project Management, Data Mining, Agile, Teamwork, Research, Google Cloud Platform – GCP, Business Strategies

Programming Skills - Python - Numpy, Pandas, Tensorflow, scikit learn, DAX Queries, R (Programming Language), Power Query, C# / C / C++, HTML5 / CSS, Java, Javascript (js), BigQuery , SQL, VBA, API

Tools - MS Power BI, Power Query, PowerPivot, Pentaho, Microsoft Office – Word, Excel, PowerPoint, Access, Jupyter Notebook, Jira, Hadoop, MySQL WorkBench, DBeaver, SQL Server Management Studio, Google Data Studio

Database – MySQL, Postgresql, PL/SQL, MongoDB

CERTIFICATIONS

Database Management Essentials

06/2022 – 07/2022

Coursera

Relational Database, Data Architecture, Data Models, Entity Relationship Diagrams, Data Modeling, Logical Database Design, Normalization, Data Warehousing

Google Data Analytics Professional Certification

02/2022 – 03/2022

Coursera

Data Life Cycle, Business Models, EDA (Exploratory Data Analysis), SQL, Data Cleaning, Data Processing, Data Visualization, Best Practices, Capstone Case Study

Power BI for Data Visualization and Analysis

06/2021 – 07/2021

Udemy

Gained knowledge on chart creation, data transformation, and Power BI for impactful business insights and decision-making visuals.

Complete Python Bootcamp from Zero to Hero in Python

06/2021 – 07/2021

Udemy

Complete understanding of Python basics and data mining.