Akshatha Wuluvarana Ghanashyam Raj

Details

Gareisstraße 14
Magdeburg, 39016
Germany
+4917620967069
akshathawgraj@gmail.com

NATIONALITY

Indian

DATE OF BIRTH

21/01/1994

Technical Skills

- Microsoft Office Suite
- Python
- R
- SQL
- Tableau

Soft Skills

Ability to Work in a Team
Analytical Thinking
Customer Relationship Management
Communication Skills
Effective Time Management

Languages

- English
- German
- Kannada
- Hindi

Profile

Resourceful and dedicated graduate with intern experience and relevant graduate coursework. Strong organizational and analytical abilities with proven successes managing multiple academic projects and case studies.

Portfolio : https://akshathawg.github.io/akshathaportfolio.github.io/

Employment History

Software Engineer - Technical Analyst, Tech Mahindra, Bengaluru

AUGUST 2016 — AUGUST 2018

- Regular reporting of the key performance indicators by revision control of bonus offers and call plans including maintenance and revision of reports and price plans.
- Project planning of the main network plan for efficient tracking and controlling of changes for both onshore and offshore teams.
- Collaborated with cross-functional teams working on different plans, planned and executed services improving organization supply chain workforce and profitability.
- Test the network plans on development environment for various telecom services.
- Analyze billing procedures to identify opportunities for improvement.
- Code Convergent Billing and Rating Codes for telecom services as per client requirement.
- Developed code templates to provide analytical insights to detect bottleneck issues to reduce potential issues.
- Maintained a source-code repository of information to support global network plans.

Education

Master of Science in Operations Research and Business Analytics, Otto-von-Guericke Universität Magdeburg, Magdeburg

APRIL 2019 — APRIL 2022

- Relevant Coursework: Business Decision Making, Business Forecasting, Computational Transportation, Marketing Methods & Analysis, Operations Strategy and Tactical Planning, Stochastic Models in Production and Logistics, Supply Chain Management.

Bachelor of Engineering in Industrial Engineering and Management, JSS Academy of Technical Education, Bengaluru

AUGUST 2012 — JULY 2016

- Relevant Coursework: Facilities Planning and Design, Just in Time Manufacturing, Materials Management, Operations Management, Operations Research, Quality Assurance and Reliability, Supply Chain Management.

Internships and Projects

Project: Optimization of Lot Sizing Problem for Injection Molding Machines at Bayerische Motoren Werke GmbH (BMW), Magdeburg

OCTOBER 2020 — JANUARY 2021

- Generate a cost-efficient schedule with minimum setup cost and inventory cost.
- Developed a heuristic solution approach called Tabu Search using MS Excel and Python.

- Usage of visualization tool such as Gantt charts for scheduling the production of all parts on different machines.

Production Planning Intern, Bosch

JANUARY 2015 — FEBRUARY 2015

- Survey the Phasing Rejection Reduction of Fuel Injection Pump.
- Conduct visits to the shop floor to observe the production line and assembly of the pump.
- Identified processes suited for workflow optimization
- Coordinated between departments to facilitate a cohesive approach in the production process
- Report the rejection rate, analyze the production of the pump and examine the reason for rejection.

Case Studies

Magdeburg

MAY 2019 — MAY 2021

One-Month-Ahead Forecasts of Total US Retail Sales

Software Used: R, MS Excel, MS PowerPoint, MS Word

- Datasets: Monthly Retail Sales in Billion from January 2001 to December 2015.
- Determined the best forecasting model by using a system of forecasts(models).

Forecast the Effects of Global Warming on the City of Magdeburg

Software Used: R, MS Excel, MS PowerPoint, MS Word

- Datasets: The monthly data on Average Temperature, Total Rain and Total Sunshine along with Daily Rainfall and Sunshine from January 1989 to May 2019.
- The task was to use both, State Space Models and ARIMA Models in order to develop an appropriate Forecasting method.
- The PIVASE Framework used Analysis done on the Average Temperature and Daily rainfall datasets.

Supervised Learning for Predicting the Final Price of Each Home in the Dataset.

Software Used: Knime, MS Excel, MS PowerPoint, MS Word

- Datasets: Every aspect of residential homes in Ames.
- Target variable was Sales Price and the Prediction of the final price of each home to be done.
- Data Cleansing done by treating the missing values and outliers, usage of Linear Correlation to filter out the non-correlated data and a Linear and Polynomial Regression Model were developed to achieve the task.