



Malavika Peedinti

DATA SCIENCE MANAGER

PROFILE

Over 11 years of experience in deriving insights from data through business intelligence and data science to enable businesses make intelligent decisions. Worked both individually and led large data science teams, successfully achieving the project goals


PERSONAL DETAILS

Address

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CONTACT

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 9916473247

 malavika-peedinti

WORK EXPERIENCE

Data Science Manager

BLP INDUSTRY.AI

Apr 2018 – Current

- o Responsible for **execution and delivery of analytics** across all the operational verticals in the organisation, including renewable energy, oil and gas, airports, seaports, smart buildings and manufacturing industries
- o Collaborate with tech partners to formulate the business use case and design and deploy machine learning systems in *Google Cloud Platform*, in coordination with Data engineering and Application teams
- o Range of business use cases solved encompass **predictive maintenance** of machines, **optimization** of process parameters to production, **vibration analysis** and **electrical signature analysis** of critical components in machines, curbing **wake effect** in wind farms with irregular layouts, **recommending** optimal cleaning cycle for solar panels in utility scale power plants
- o Research and analyse data sets using a variety of statistical and machine learning techniques
- o Validate the assumptions made for developing the models, code reviews and model results
- o Perform code reviews and dashboard reviews
- o Coaches, mentors and influences others to accomplish departmental goals
- o Works to maintaining a friendly and collaborative work environment

Data Consultant

SYNTEL PVT. LTD.

Nov 2015 – Feb 2018

- o Created crisp visualizations in Tableau to showcase organisation wide information
- o Use SQL queries to perform design and quality validations on massive data warehouses
- o Implemented PoCs on prediction of loan repayment and marketing campaign outcomes

Data Engineer

INFOSYS

Oct 2009 – Oct 2015

- o Test the data warehouse design and ETL jobs for major banking clients through optimized and customised SQL queries
- o Perform Data Quality Assurance and data profiling

EDUCATION

Data Science

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY, BANGALORE

2015

BE, Instrumentation Engineering

SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR

2005–2009

MACHINE LEARNING SOLUTIONS

- Anomaly Detection
- Failure Prediction
- Time Series Analysis
- Forecasting
- Recommendation
- Optimization

TOOLS AND TECHNOLOGIES

- SQL
- Python
- R
- Tableau
- Grafana
- Teradata
- GCP
- Influx DB

SKILL SET

- Data Science
- Machine Learning
- Visualization
- Data Storage
- AI in IoT
- Team Management

CONFERENCES AND PUBLICATIONS

- ✓ Talk on 'Machines Talk, Machines Learn' at RISING 2020 by Analytics India Magazine
- ✓ Presentation on 'Algorithm to correct yaw misalignment in wind turbines' at Machine Learning Developers Summit 2020 by AIM
- ✓ Presentation on 'Cloud for Climate' at grace Hopper Celebration India 2019
- ✓ Platinum Category Award winning white paper on 'Overcoming Challenges faced in data warehousing' at Infosys in 2010
- ✓ Presentation at International Science Congress on 'Mining and Manufacturing on Moon' at ISRO in 2008

PATENT

- ✓ Co-inventor of a patent pending algorithm designed to 'Recommend the optimal cleaning cycle of photo voltaic panels in a utility-scale solar power plant', filed in Nov 2019 at Indian Patent Office, bearing application number 201941047730