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Technical Manager

Data Science | Software Design & Development | Project Management

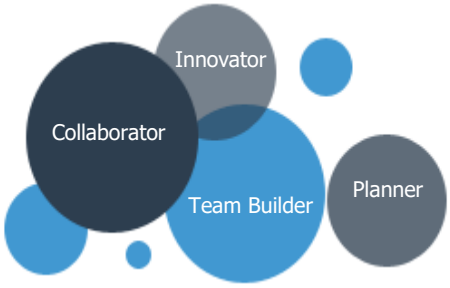
Raghavendra Galagali

Achievement-driven professional, targeting assignments with an organization of high repute

Career Summary

- Results-driven **Technical Manager** offering more than **15+ years** of experience in large engagements including complex Dashboards using Power BI and Data Engineering.
- Worked on Generative AI projects using **LangChain** and **Llama**
- **11 years** of Automotive domain experience in various companies
- 5+ years of experience in statistical modelling, EDA & building **Machine Learning** & **Deep Learning** models
- Developed & maintained automated CI/CD pipelines for code deployment using **Jenkins**, **Azure DevOps** & **Artifactory**
- Worked as **Scrum master** for 2 teams consisting of 7 members using Azure DevOps
- 5 years of experience in building NLP applications using NLTK & spaCy
- Strong project management, implementation, analytical and training skills that have resulted in repeated success in guiding sizeable, cross-functional teams in the design & launch of leading-edge solutions and best practices
- Successfully executed projects such as Sentiment Analysis, AI powered Chat-bot, Object Classification from RADAR input
- Proficient in gathering business requirements, conducting, analytics & quantitative research, performing data validation, data consolidation, data refinement, data maintenance and implementing solution
- Experience in interpreting and analyzing data to drive successful business solutions, knowledgeable in statistics, mathematics and analytics
- Hands-on experience in working on statistical and data mining techniques such as GLM/Regression, Random Forest, Boosting, Trees, text mining, social network analysis

Soft Skills



Core Competencies

- **Project Management & Execution**
- **Release Management**
- **Architecture & Design**
- **Machine Learning Algorithms**
- **Statistics & Exploratory Data Analysis**
- **Software Development Life Cycle**
- **Business & Statistical Analysis**
- **Data Science**
- **People Management**

Certifications& Credentials

Certifications:

- Data Science from **DataCamp**
- Deep Learning by **DeepLearning.AI** on **Coursera**
- OCJP 5 and 6
- **Big Data & Hadoop** course in **Edureka**

IT Skills

Languages: Python, Core Java, Groovy, XML
Technologies: Machine Learning, Deep Learning, Data Science, NLP, OpenCV, Time Series, Hadoop, Gradle, Generative AI
IDE's /Tools: Anaconda, Eclipse, SVN, JIRA, Git, Jenkins, Azure DevOps, Power BI

Professional Experience

Since May'22

QuEST Global as Technical Manager

Role:

- Worked on generation of Job description for open jobs using **Gen AI** technology
- Worked on chat-bot projects and Generative AI projects using LangChain and Llama
- Worked on Data transformation for client projects using Python, Pandas and Numpy
- Worked on creating a project dashboard on Hematology dataset for different set of problems
- Predicting the issues in devices well in advance to make them work seamlessly
- Worked on web automation using different RPA tools like Blue Prism, UI Path and Power Automate
- Developed **PowerBI** dashboards for Hematology instruments

Nov'19 to April'22

ZF India Pvt Ltd as Team Lead

Role:

- Lead a team of 12 highly skilled & energetic software professionals
- Lead a automotive software team through the different stages of Software Development Life Cycle
- Deployed JFrog Artifactory into build chain by integrating it into Jenkins through pipeline script
- Worked on Gradle Custom Tasks which handles several stages of Toolchain
- Analyzed Machine Learning algorithms to be used to solve a given problem and ranking them by their success probability in automotive industry
- Using statistical methods to analyze data and generate useful business reports

Oct'13 to Nov'19

Continental Automotive Components Pvt. Ltd., Bengaluru as Technical Specialist

Role:

- Predicting output class using Functional Models, Classification Models (Decision Tree, Random Forest, Naive Bayes, NN) and Discriminant Analysis
- Used statistical methods to analyze data and generate useful business reports
- Worked with management team to create a prioritized list of needs for each business segment
- Identifying valuable data sources and automate collection processes
- Analyzed large amounts of information to discover trends and patterns
- Collaborate with engineering and product development teams

Major Projects

Project Name: Generating Dynamic Job Description
Description: This project aimed to develop a tool that automatically generates job descriptions based on pre-defined keywords and job roles. By leveraging Generative Artificial Intelligence (Gen AI), the tool aimed to streamline the job description creation process and improve its efficiency and effectiveness.
Team size: 4
Environment: Anaconda, PyCharm
Technologies: Python, Gen AI, LangChain, Deep Learning

Project Name: Generating Medical Images
Description: Generating synthetic medical images for training AI models, reducing reliance on real patient data. This can vary from blood samples to lung diseases. Gen AI can help us to generate unlimited images based on the specification and need.
Team size: 2
Environment: Anaconda
Technologies: Python, Gen AI, LangChain, CNN, Deep Learning

Project Name: Detection of Faulty ECUs
Description: The application will be able to detect the faulty ECUs based on the photographs captured by a special camera installed in the manufacturing plant. With this prediction, organization can save huge time and money by installing them into the cars. This is one of the key challenges faced by the automotive industry.
Team size: 4
Environment: Anaconda
Technologies: Python, CNN, Deep Learning

Project Name: Autonomous Driving
Description: An automotive application which will detect lanes on the roads. This will help the drivers to stay between the lanes and maintain lane discipline. If a driver tends to cross the lane, he will get an alarm to indicate this. This was extended to classify the traffic sign boards.
Team size: 4
Environment: Anaconda
Technologies: Python, OpenCV, Deep Learning

Project Name: Object Classification from RADAR Input
Description: Radar detects the nearby moving objects. The sensor collects all the parameters of the object for e.g., speed of the moving object, dimensions of object, movement direction, deflection from the object. This processed data is given as the input to the machine learning algorithm to predict the nearby objects and classify them
Each object can be classified by labeling them with the class label.
Team size: 4
Environment: Anaconda, Python, NumPy

Previous Experience

July'11 to Sept'13
Robert Bosch Engineering and Business Solutions, Bengaluru as Senior Software Engineer

Mar'09 to Jul'11
Indenture Technologies, Bengaluru as Software Engineer

Achievements

- Won **On the Fly** in **Quest Global** for the contribution towards Machine Learning and AI in **2024**
- Won **Ninja award** in **Quest Global** for the contribution towards Machine Learning and AI in **2023**
- **Excellence award** and **spot award** in **ZF** for contribution to the Data Science community in **2021**
- Awarded with **Key player** award in **ZF** in **2021**
- Department level **Recognition award** in **ZF** for organizing events for better collaboration in **2021**
- **Spot award** in **Continental** for the contribution in **2019**

Education

- **PGD in AI-ML** from **IIITB (2020-21)**
- **B.E. in Computer Science** from Visvesvaraya Technological University in 2008

Personal Details
Date of Birth: 25th January 1987
Languages Known: English, Kannada and Hindi
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