Eswar Poluri

Assistant Manager
Total Experience: 12+ Years in India, USA, Qatar & Nigeria.

Senior Programming & Automation professional with proven ability in managing projects, project engineering, execution, testing & commissioning across diversified fields at domestic and international level.

CONTACT

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🏠 Hyderabad,IN

in Eswar Poluri

Ⓢ eswarpoluri

SKILLS

- Project Management
- Team Management
- Data Analysis
- Model Building
- Machine Learning
- Deep Learning
- Data Pre-Processing
- Database Management

PROGRAMING LANGUAGES

Language	Rating
Core Python	★★★★★
Pandas	★★★★★
Numpy	★★★★☆
Matplotlib	★★★★☆
SCIKIT Learn	★★★★☆
Keras	★★★☆☆
Tensorflow	★★★☆☆
OpenCV	★★★☆☆
NLP / NLTK	★★★☆☆
SQL	★★★☆☆
Power BI	★★★☆☆

PROFESSIONAL EXPERIENCE

Freelance / Intern, Hyderabad, IN   2019- Till Date
Program and application developer
Responsible for overall project cycle and program development of Data Science projects.

L&T Electrical & Automation, FZE, Qatar   2018-2019
Assistant Manager
Responsible for overall project cycle and program development of Industrial Automation projects.
(Design, Engineering, SCADA development, Programming, Testing, Documentation, of Industrial Automation projects)

FLSmidth Pvt. Ltd., Chennai, IN   2007-2018
Assistant Manager
Responsible for overall project cycle of Industrial Automation
(Design, Approval, Engineering, SCADA development, Programming, Factory Acceptance Test, Pre-Commissioning, Commissioning, Documentation, SAT for Cement plants & Mineral Handling Systems)

ACADEMIC QUALIFICATION

M.Tech in Computer Science & Engineering 2019-2021
QIS College of Engineering and Technology
(Autonomous - affiliated to the JNTU, Kakinada)

B.E in Electrical & Electronics Engineering   2003-2007
Acharya Nagarjuna University

AWARDS

- Received Employee Appreciation Letter from M/s Buzzi Unicem – Greencastle, USA & M/s Titan America LLC– Pennsuco, USA for Control System Upgradation to ECSv8 & Commissioning of plant without shutdown, within two weeks of time.

Responsibilities

- To understand business use cases and gather complete requirements from client and convert them into a well-articulated problem statement.
- Review the requirements, specifications, business processes and recommendations related to the proposed solution.
- Preparing Budget planning, Schedule planning and resource profiling for all the project phases.
- Communicate with client about the project deliverables, SOS, project planning and provide them progress reports of each modules on regular basis.
- Thorough understanding the requirements and coordinating with big data team like Map/Reduce (M/R), Pig, Hive, HBase, Scala, Spark, pig etc. in implementing the project.
- Analyzing the requirements and preparing the best suited Data science pipelines encompassing Data standardization, EDA, Feature extraction, model validation and optimization for the project.
- Translate product requirements into analytical requirements/specification, design and develop required functionality.
- Developing ETL process to create database, tables, function by extraction and transformation of data from different databases like SQL, NoSQL, MangoDB.
- Parsing large data files in Python using tools like Dask.
- Applying statistical analysis on complex datasets using Matplotlib, Google Analytics, Tableau and Power BI to communicate the analytical results in a way that is meaningful for business stakeholders and provide actionable insights and pattern.
- To provide mentorship required for the team member to understand the requirement and allocate the work accordingly.
- Training the new hires with the current scope of work & process.
- Analyzing unorganized data, assessing quality, cleansing, structuring for management review and design accurate and scalable prediction algorithms.
- To develop algorithms and predictive models to derive analysis and business value from data sets.
- Creating various regression and classification algorithms by using various sklearn libraries such as Linear Regression, Logistic Regression, Random forest, Decision Trees, KNN, SVM, Naïve Baye's,
- Implementing various boosting algorithms like XGBoost, Gradient Boost, Ada Boost, Stacking.
- Developing various unsupervised learning models using K-means, Hierarchical clustering, PCA, Anomaly detection, Apriori, dbscan and denclue.
- Designing the neural networks using Tensorflow, Keras libraries, CNN, faster CNN, RNN, RNN – LSTM, Vgg16, Resnet-50, Mobilenet, SSD, Harcascade, Tensorflow JS.
- Implementing NLP with text clustering, classification and sentiment analysis using NLTK, Spacy.
- Built various computer vision system for Real time surveillance, smart parking check post , Virtual banking .

- Implementing parameter tuning process for getting optimal model hyper parameters.
- Implementing Ensembling learning methods for the tuned models.
- Worked on Deployment and optimization of various computer vision, Machine learning and NLP solution on web based application, Azure, AWS, GCP platform using docker & kubernetes services and Raspberry-pi.
- Deep involvement in handling the critical deliverables, benchmarking solutions, driving Key Metrics, maintaining Productivity and ensuring projects are profitable.
- Leveraged technology to automate daily operational activities.
- Conducting competency review of associates, driven innovation projects and resolved all the technical issues arising during the project execution.
- Performing Special Event Monitoring and Instant KPI monitoring.
- Unit Testing, Code validation and reviews.
- Compliance check with client inputs.
- Automations and Delivery responsibilities.
- Identifying client organization's suggesting areas of improvement and Collecting data facts, analyzing them to find root cause of business problem and forwarding the key findings to the management to understand the business use cases from clients and convert them into a well-defined problem statement.
- Directing weekly & daily report creation through in-depth analysis & producing actionable information.
- To partner with other departments to solve problems and identify trends and opportunities.

Projects