

Rejith Menon Madathil

Enthusiastic and driven engineer with expertise in product development looking for a position in a competitive environment where my academic skills, experience, innovative ideas and creativity would add value to the organizational operations.

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EXPERIENCE

TCS Digital, Kochi — *Systems Engineer*

Aug 2018 - PRESENT

-Worked on PoCs and projects involving Object Detection and Image Recognition, Document Classification and Extraction, Natural Language Processing and Data Analytics.

-Developed a product as per client requirements. Participated in all phases of system development life cycle, from requirements analysis through system implementation and support and maintenance of the product.

-Worked closely with customers, internal staff and other stakeholders to determine planning, implementation and integration of the product

Roles Held: Developer, Technical Team Lead, Crisis Management Lead.

EDUCATION

SRM University, Chennai — *B.Tech in Software Engineering*

2014 - 2018

- Coursework in Machine Learning, Programming, Software Development and Process Management Principles.
- Graduated with **8.26 CGPA**

Nirmalamatha Central School, Thrissur — *12th Grade (CBSE)*

2012 - 2014

- Graduated with **91.2 %** .

Sharjah Indian School, Sharjah — *10th Grade (CBSE)*

2000 - 2012

- Graduated with **9.4 CGPA** .

TECHNICAL SKILLS

Programming languages:

Python, C, C++.

Machine Learning and Data

Analysis: Scikit-Learn, Tensorflow, Pandas, Numpy, OpenCV, Tesseract OCR, CART, Regression Models, Predictive Modelling, Collaborative Filtering, Matrix Factorisation, Object Detection, Image Processing, Dataset Cleaning and Preparation.

DBMS: PostgreSQL, MySQL, Transact-SQL, NoSQL.

Software Engineering: SDLC Models, Agile Methodologies, Basics of Design Patterns and Architectures.

Cloud Computing: Microsoft Azure, Azure Kubernetes Services, Microservices Architecture, Basics of DevOps and CI/CD.

Others: Dockers and Containerisation, Basics of Queueing stacks like Redis, Celery and RabbitMQ, Flask, Basics of Django ORM, Application Performance Testing using Apache JMeter, Application Monitoring using Prometheus and Grafana, Kibana and Elasticsearch, JIRA and ServiceNow.

PROJECTS

Automated Long Answer Evaluation Techniques — using NLP

Minor Project in College: A Literature survey and paper presentation carried out on the different techniques that can be used to evaluate essays using text processing including POS Tagging , TfIdfVectorization and Cosine Similarity.

Detection of Bot Profiles — using CART

Major Project in College: Developed a system to detect and classify bot profiles from human profiles on a Kaggle dataset using Feature Engineering, Dataset Cleaning and Classification and Regression Trees.

Document Classification and Extraction — using Machine Learning Models and Object Detection

Client Projects and PoCs: Multiple PoCs and a developed product for Classification of financial documents as per requirements which involved Data Mining, Text and Object Annotations, Dataset preparation and cleaning and usage of Machine Learning and Object Detection Models.

Customer Categorization for Product Recommendations- using Collaborative Filtering and Clustering

Hackathon: A Semi-Supervised Classification approach post clustering of customers after Preprocessing of Data , Principal Component Analysis and Feature Engineering to cluster customers into groups followed by classification using Regression models for Classification.

Stock Market Pricing Predictions- using Regression Models

Hackathon: Stock Market Pricing Predictions using Regression Models post Data Analysis and Data Preprocessing.

INTERESTS

Machine Learning and Computer Vision.

Project Management and Software Engineering Principles.

Cloud Architectures and Resource Management.

HOBBIES

Drawing, Painting, Reading, Watching Movies, Listening to Music.

LANGUAGES

English (Fluent) , Malayalam (Fluent), Tamil, Hindi, Arabic.

Place: Kochi

Date:01/03/2021