

MAKESH K

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OBJECTIVE

My objective is to leverage my experience as a TA in the Data Science Team at RVS Educational Trust, where I specialize in various aspects of data science. With a focus on machine learning techniques such as regression, classification, and clustering, I aim to continue developing and deploying advanced models that drive innovation and efficiency. I am committed to fostering cross-functional collaboration and utilizing data-driven decision-making to propel organizational success.

EDUCATION

MSc[Computer Science] with Specialization Data Science, RVS College of Arts and Science 2019 - 2021
BSC[Information Technology], Kamalam College of Arts and Science 2016 - 2019
Diploma in Electrical and Electronics Engineering, Rudhraveni Muthuswamy Polytechnic College 2014 - 2016

SKILLS

- **Languages:** Python, R, JAVA.
- **Data Analysis:** Pandas, NumPy, SciPy, Scrappy, PandasAI.
- **Machine Learning Libraries:** TensorFlow, Scikit-learn.
- **Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn, Pyplot.
- **Database:** Excel, MySQL, MongoDB.
- **Web Frameworks:** Flask, Django.
- **Version Control:** Git / GitHub.
- **Frontend Technology:** HTML, CSS, JavaScript.
- **Tools:** Jupyter, VS Code, PyCharm, KNIME.
- **Cloud Platform:** Google Cloud, AWS.

EXPERIENCE

TA - Data Science Team Nov 2021 - Jun 2023
RVS Educational Trust *Coimbatore*

- Data preprocessing involves cleaning and understanding data to prepare it for analysis and modeling.
- Implemented advanced ML techniques including Regression, Classification, and Clustering algorithms.
- Model Development and Deployment.
- Cross-Functional Collaboration.
- Data-Driven Decision-Making.

PROJECTS

Boiler Blow Down (01/2022 - 04/2022). Boiler blow down is water intentionally wasted from a boiler to avoid concentration of impurities during continuing evaporation of steam. The water is blown out of the boiler with some force by steam pressure within the boiler.

Boston House Price Prediction. Developed a machine learning model for Boston house price prediction using historical data. Implemented linear regression and evaluated model performance using relevant metrics. Deployed the model as a web application using Flask.

Wine Quality Prediction. Developed a machine learning model for wine quality prediction using historical data. Implemented Random Forest Classifier and evaluated model performance using relevant metrics. Deployed the model as a web application using Flask.

Credit Card Fraud Detection. Developed and deployed an advanced Credit Card Fraud Detection System. leveraging machine learning models to fortify the company's defenses against fraudulent transactions, thereby mitigating financial risks.

CERTIFICATIONS

- Machine Learning Scientist with R.
- R Programming.
- Python Course: Beginner to Advance Masterclass.
- Python Machine Learning.
- Data Visualization Using Tableau, Power BI
- ChatGpt and AI hacks with MS Office.
- Basic Proficiency in KNIME Analytics Platform.
- ChatGpt for Everyone

ACHIEVEMENTS

- **Robotryst.** Certificate of Merit Zonal Round of Robotryst-2015.
- **Guinness World Record.** Attempt The largest human representation of a text consists of 962 people and was achieved by the Rotary Club of Mapuca, Rotaract District 3170, Ajay Menon and Nishita Pednekar (all India), in Goa, India, on 23 February 2019.