NEERESH KUMAR PERLA

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Experience

Cognizant Hyderabad, India
Programmer Analyst Mar 2021 – Dec 2022

- Completed coding challenges and project deliverables: mini-project, main project and hackathon.
- Developed automation scripts using Selenium in Java based on requirements.

Java and Digital Data Engineering Intern Feb 2020 – Sep 2020

- Developed an end-to-end java web application that stores user-entered data in the database.
- Developed an ALS model with over 100k rows of data for recommending movies to the user.

Wingfotech Pvt. Ltd. Hyderabad, India
Quality Certified Company deals in Technical Training, Manufacturing of DIY Robotics Kit and Robotics Lab
Artificial Intelligence Intern May 2019 – Jul 2019

- Responsible for learning, building and researching different kinds of machine learning algorithms and applying them to real-world datasets.

Education

Mahatma Gandhi Institute of Technology (**MGIT**) Telangana, India
Bachelors of Technology; July 2016 – September 2020
Majors: Electrical and Electronics Engineering

Projects

Automated water plant system (neeresh/IoT (github.com))

- Measures the moisture content of the soil and discharges precise amounts of water, promoting water conservation and reducing the cost of wired irrigation systems.

Disorders (kaggle/Disorders at main · neeresh/kaggle (github.com))

- Performed Artificial Neural Networks (ANN) to classify 3 diseases and achieved 91.5% accuracy on the test data, and developed a pipeline to automate classifying the unseen dataset.

House Price Advanced Regression Techniques (kaggle/House Prices - Advanced Regression Techniques at main · neeresh/kaggle (github.com))

- Predicted house prices using a linear regression model. The dataset contains 81 features. Data analysis, feature engineering, and feature selection were performed and r2 scores were 0.87 on train data and 0.84 on test data.

Space Ship Titanic (kaggle/Space ship Titanic at main · neeresh/kaggle (github.com))

- Performed Feature Selection techniques and Hyperparameter Optimization to improve model performance and built a pipeline to automatically score new data.

Skills

- Languages – Python, Java, SQL, C, JavaScript, HTML, CSS, Basics of R, Basics of Scala, MATLAB.
- Frameworks – NumPy, Pandas, Selenium, Scikit-learn, Tensorflow, Matplotlib, Seaborn, OpenCV, SQLAlchemy, Hadoop.

Certifications

- Microsoft Certified: Azure Fundamentals (AZ-900), Azure AI Fundamentals (AI-900), Azure Data Fundamentals (DP-900) & Azure Data Scientist Associate (DP-100)
- Stanford Online: Machine Learning by Andrew Ng.
- Udemy: Complete Tensorflow 2 and Keras Deep Learning Bootcamp.