ANJITHA DIVAKARAN

Machine Learning Engineer
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SUMMARY

Motivated, personable business professional with experience in AI with talents in algorithm design skills. A hardworking, pro-active, and experienced software developer with an upbeat and positive attitude. A leader who is highlight skilled in machine learning and has excellent statistical knowledge. A detail-oriented team player with the ability to learn new frameworks and tools quickly.

EDUCATION

APJ Abdul Kalam Technological University, Kerala India **7/2016 – 5/2019**
Master of Computer Applications

- CGPA of 8.53 (Class Rank 1)
- Excelled in applied statistics and probability, IoT, and machine learning coursework.
- Led multiple projects.
- Participated on research directed project.

University of Calicut, Kerala India **6/2013 – 5/2016**
Bachelor of Computer Applications

- CGPA of 3.4 (Class Rank 1)
- Elected to Vice Charman of College Union

QUALIFICATIONS

- ML Algorithms
- Data Mining
- Communication
- Data Visualization
- Quantitative Analysis
- Team Player
- Statistical Modeling
- Model Development
- Active Listening
- Data Analysis
- Deep Learning

PROJECTS

Gait Analysis Using 2D Passive Marker
GitHub: https://github.com/Anjitha95/Gait_Analysis
Project which understands walking patterns of patients for health workers to understand.

- *Components: Computer Vision, Medical, AI, Matlab*

Real-Time Sudoku Solver
GitHub: https://github.com/Anjitha95/Real-time-sudoku
Project which aims to create a real time Sudoku solver which recognizes the elements of the puzzle and provides a digital solution using computer vision.

- *Components: Computer Vision, Backtracking Algorithm, AI, Python*

Aptitude Analysis using ML
GitHub: https://github.com/Anjitha95/web_platform_for_aptitude_assessment
A data analytics framework for analyzing the educational interests and predicting education stream among students using their aptitude, attitude, and interest. Data for analysis and training is collected via a web platform quiz.

- *Components: Naïve Bayes Algorithm, Machine Learning, AI, Python, Flask Application, Web Application.*

TECHNICAL SKILLS

Tools: Python, R, Flask, Jupyter Notebook, Apache Spark, AWS, PostgreSQL, Git
Packages: Scikit-Learn, NumPy, SciPy, NLTK, Matplotlib, Seaborn, OpenCv, TensorFlow, PyTorch, Pandas, Keras
Statistics and Machine Learning: Linear/Logical Regression, Classification, Clustering, Naïve Bayes, Dimensional Reduction, Convolutional Networks, Recursive Neural Networks, Recurrent Networks.

CERTIFICATIONS

AWS Machine Learning Foundation, Udacity – AWS Scholarship (6/2021-10/2021)
Google Cloud Platform Fundamentals for AWS Professionals (5/2021)
Machine Learning Specialization, cloudxlab (5/2020)
IBM AI Engineering, Coursera (1/2020)

WORK EXPERIENCE

UL Education (ULCSS), India **2/2019 – 5/2019**
Software Development Intern

- Reviewed more than ten research papers on how student's aptitude can be measured for recognizing their true interest.
- Formulated a plan for developing a data analysis system to understand educational trends among students.
- Designed and developed a web platform for data collection from targeted users.
- Prepared more than 100 questions to analyze student's aptitude, attitude, and interest.
- Collaborated with a team of six developers to create application back-end.
- Developed a machine learning model to predict whether the student interest is in science or a non-science stream.
- Applied Naïve Bayes Algorithm to predict the educational trends among students and achieved 84% accuracy.