

BASIL JOSE

DATA SCIENTIST

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PERSONAL PROFILE

Highly energetic and responsible. Have amazing communication and leadership skills. A very good team player and capable of studying new technologies quickly. Looking forward to a workspace where I can improve personally and I can contribute to the success and growth of the organization.

CONTACT INFORMATION

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EMPLOYEMENT HISTORY

Data Scientist
Apes AI (2021 January - Present)

Apes AI is an R&D startup, working on artificial intelligence related services. My role is to find machine learning or deep learning solutions for challenges that come to the company.

Projects : - *Traffic sign and name board detection*
- *Fire,smoke and PPE detection - alarm system*

Key Accomplishments:

- Assisted in problem-solving and brainstorming solutions to existing concerns
- Got the opportunity to be a part of the project from its very beginning stage and thereby got familiar with the different stages of a project.
- Went through numerous papers, previous works and blogs.
- Followed an aggressive learning path for accomplishing the tasks within the time frame.

Core Responsibilities:

- Find different open-source datasets available.
- Extracting the frames from the custom cctv data and combined with open-source datasets.
- Annotate and preprocess the datasets to the specific format.
- Using the dataset, train advanced models like yolov5 and tested on real-life scenarios.
- Working closely with back end engineers.
- Document every task, solution, and result in a detailed manner.

EDUCATIONAL HISTORY

Appliedaicourse
Applied Machine Learning Course | 2019-2020
Cochin University of Science and Technology
Bachelor of Technology | Computer Science and Engineering | 2015-2019
- Organizer, Sargam - University Arts fest,CUSAT
- Coordinator, Flood Relief Camp

SKILLS & ABILITIES

Technical Skills

- Python
- SQL
- Data Analysis
- Data Science
- Machine Learning
- Deep learning
- Supervised and Unsupervised learning
- Computer Vision

Tools

- Numpy
- Pandas
- Matplotlib and Seaborn
- OpenCV
- Scikit-learn
- Tensorflow and keras

Personal Skills

- Motivated, well-disciplined individual
- Communication
- Fast learner
- Time Management
- Team player
- Leadership

Online Learning

Fast.ai, SQL for Data Science, Python for Machine Learning Bootcamp , Machine Learning for production (MLOps)

PROJECTS

Reducing Commercial Aviation Fatalities

- Want to predict the cognitive state of a pilot using physiological data, thereby alert the pilot whether they are heading towards trouble.
- Feature engineered using biosppy module and EEG electrode data.

Cotton Disease Prediction

- Built an image classification system that can predict diseased cotton leaves/plants.
- The model was trained using a transfer learning technique.

Health Insurance Lead Prediction

- Cross-sell health insurance to the existing customers who may or may not hold insurance policies with the company.
- Recommend health insurance to customers based on their profile once these customers land on the company website.