

Aravind Naidu

Machine Learning Engineer

Machine Learning Engineer with over a year of experience in Predictive Modelling, Clinical Data Modelling with Machine Learning and Deep Learning. I have handled client-facing roles to understand the requirements and deliver effective products. Known for being a team player with effective communication and also with a curious learn and improve everyday attitude.

Looking for a challenging opportunity that will not only be the next level in my career but will also give me an opportunity to deliver top-notch solutions which will transform businesses.



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Nashik, Maharashtra



[LinkedIn](#)



[GitHub](#)



[Kaggle](#)

WORK HISTORY

Machine Learning Engineer

Super Simple Soft. Nashik, July 2020-present

- Machine Learning Technological Advice for ongoing projects.
- Research and Planning with crossfunctional teams
- Built PoCs for upcoming projects.
- Used customer-centric data in predictive analysis.
- Coaching interns and freshers into our company.

Machine Learning Intern

Super Simple Soft. Nashik. December 2019 - June 2020

- Clinical Data Handling Research
- Worked on Industrial Anomaly Detection project

Python & Machine Learning Trainer

IRT PVT. LTD , Nashik August 2020 - Present (Part Time)

- Designing Machine Learning with Deep Learning course for scratch.
Made special curriculum for non-IT background students.
- Trained freshers in Python and Machine Learning courses.

SKILLS

- **Technologies**

Machine Learning, Ensemble Learning, Deep Learning, Predictive Analysis, Natural Language Processing, Computer Vision, Optical Character Recognition, Anomaly Detection.

- **Languages**

Python, C, C++

- **Libraries and Frameworks**

Scikit-Learn, Pandas, NumPy, Tensorflow, Keras, PyTorch, PyDICOM, Matplotlib, Seaborn, Tableau, Flask, Apache Spark,

- **Other skills**

Research-based Analysis and Decision Making

Data Modelling and Evaluation

Practical understanding of HL7, FHIR

Crossfunctional Team Communications

CERTIFICATION

- **Deep Learning Specialization**
Coursera
- **IBM AI Engineer Professional Certificate**
Coursera
- **Machine Learning Path**
Pluralsight
- **Python Programming Certificate**
- **TensorFlow Developer Professional Certificate (Ongoing)**
Coursera

PROJECTS

Length of Stay at Hospital Prediction

- The dataset was real-life data from hospitals which are about 2.4 million patients stay records. That was a challenge to handle. But made some good models with the resources I had access to.
- Furthermore scaled it on clusters using Spark to get hyperparameter tune and model training.

Classification of Medical Conditions

- Used UCI ML repository's Drug Reviews dataset to predict condition based on medical reviews.
- Tested with few classic models and used a Hybrid of CNN-LSTM model.

Autism Classification

- Used Dataset from Autism Brain Imaging Data Exchange (ABIDE) with different measures to predict if someone is Autistic or not (total 4 categories).

Parkinson's Disease Prediction

- Used multiple sensor data to detect stages of Parkinson's Disease
- Helping medication level understanding, through the findings.
- Looking forward to integrate that into a smart watch.(On going research)

Identifying Adult Content out of Social Media

- Collected Social media data (Tweets) and manually screened them for child-friendly content or not (18+).
- Experimented with the data to find the best NLP processing method and models.
- Reproduced some results from few research papers on similar topics.

Multi-Label Classification of Satellite Images

- Used Amazon rain forest satellite images to classify into various types of forest patches.
- With F-beta score of 0.9275.

Heartbeat Classification on the MIT-BIH Arrhythmia Dataset

- Used LSTM to categorize heartbeat ECG signals.
- Classified abnormalities in heart rate by analysing and processing ECG signals.

EDUCATION

Bachelors in Electronics and Telecommunications

Late GN Sapkal College of Engineering , Nashik
7.57 GPA

Senior Secondary Schooling in CBSE

Kendriya Vidyalaya NRC, Nashik
Science (Physics, Chemistry, Maths and Computer Science)

69.78%

Secondary Schooling in CBSE

Kendriya Vidyalaya NRC, Nashik

9 CGPA

OTHER ACHIEVEMENTS

- Core Team (Management) -Mistura Art Festival
- Vice President at SKH Art Club
- Core Member Team Kaarwaan

LANGUAGES KNOWN

- English
- Hindi
- Marathi
- Tamil
- Telugu

Thereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars.



Aravind Naidu
31st of March 2021