

KRISHNARANJANI R

Machine learning Engineer

To work with the organization that is highly dynamic in the field of research and development, expose myself to a creative and challenging situation and to make myself better through experience and lesson

EDUCATION

Master of Engineering (M.E), Computer Science & Engineering

Velalar College of Engineering and Technology (2020 – March 2022)

- Grade: 98.9%. Cumulative GPA: 9.8 /10
- Dissertation: Immersive Learning

Bachelor of Engineering (B.E), Computer science & Engineering

Velalar College of Engineering and Technology (2016 –2021)

- Grade: 93.9%. Cumulative GPA: 9.39/10 (First Class with Distinction)
- Dissertation: GPS Controlled Robotic Vehicle for Environmental Impact Analysis.

PROFESSIONAL EXPERIENCE

Madras Scientific Research Foundation

Director & Research Fellow

2020– Present

- Researched and developed unique research into Artificial Intelligence
- Applied research technique to determine effectiveness of Machine learning interventions
- Streamlined research processes to meet tight deadlines for multiple projects
- Introduced team to best practices in development and data analysis
- Provided analytics and computational support for research institution

Signifide

Data Analytics Intern

2020-06 – 2020-07

- Optimized system and platform performance capabilities in most efficient, practical way possible. Worked on data verification and validation.
- Developed metrics derived from raw company data to track improvements in organizational efficiency

Zelight Robotics

2018-05 – 2020-06

- Worked on hardware and software systems for robotics Design
- Experience developing, implementing, managing robotic, autonomous systems projects
- Assisted in Troubleshooting, diagnose and fix real time software based on analysing integrated system behaviour

PERSONAL INFO

Phone

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Mail ID

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Website

<https://krishnaranjani.github.io/Krish/>

SKILLS

Programming

- Python
- R
- C++, C
- Java
- SQL
- MATLAB

Tools

- Git
- Jupyter
- Colab
- Rstudio
- Tableau
- Hadoop
- Android Studio
- Blender
- Unity

Techniques

- Machine learning
- Experimental design
- Neural networks
- Data visualization
- User interface design
- Natural Language Processing
- Computer Vision

PUBLICATIONS

- GPS Controlled Robotic Vehicle for Environmental Impact Analysis, International Journal of Innovative Research in Science, Engineering and Technology, Vol. 9, Issue 3, March 2020. (Impact Factor: 7.569)
- Modeling Cognitive System with Applied Machine learning in Additive Manufacturing using Fifth Generation Computer Systems, IOP Conference Series: Journal of Physics (Under Publication Process)

CONFERENCE

- International Conference on Robotics, Intelligent Automation and Control Technologies (RIACT 2021).
- National Conference on Computing Communication Technology and Science
- National Conference on Big Data Analytics for Cyber Intelligence and Defense on Cyber-crimes against Women
- Industry Standard 4.0- Disruptive Technology Summit

TEACHING EXPERIENCE

Course: Python Programming

Private Tutor (2020 -Present)

- Tutored rural area students on python Programming
- Effectively carried out specific curriculums for students
- Train and mentor Students in Python tooling
- Provided helpful teaching supports to students unable to attend school

Course: Machine Learning

Private Tutor (2020 – Present)

- Tutored students on python and machine Learning Concepts
- Effectively carried tutoring on data verification and validation
- Assisted students with questions and getting answers in a professional and helpful manner
- Designed assignments to help students understand the concept and improve problem solving capability

PROJECTS

- GPS Controlled Robotic Vehicle for Environmental Impact Analysis
- Edification Gateway Android Application
- Modeling Cognitive System with Applied Machine learning in Additive Manufacturing using Fifth Generation Computer Systems
- Medicine tracking with IoT System
- Material Point Method for simulation of nozzle flow in 3D print
- Defence on cybercrime against Women - Analytics
- E Commerce for Online Medicine Shopping

Framework

- Scikit-Learn
- Keras
- PyTorch
- TensorFlow
- Flask
- Arudino
- Bootstrap
- Django

TALKS

- Data Analysis and Data Security
- DNA Digital Data Storage
- Refresher series “Programming”

HONORS & AWARD

- Best outgoing Student Award
- Best Research Project Award
- Best Performer in INTERNATIONAL SPACE SCIENCE COMPETITION 2020
- Runner in Project Expo
- Secretary of Data Pirates Club