

Aryasomayajula Ram Bharadwaj

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EDUCATION

B.tech Electronics and Communications

2015 - 2019

GMR Institute of Technology, Rajam, Andhra Pradesh

WORK EXPERIENCE

Developer at Innovation & Development Labs

2019 - Present

Musigma Business Solutions, Bengaluru

- Designed and built an automated intra-day trading system, and also acted as a team-lead
- Migrated legacy code for trade-signal generation from R to Scala
- Implemented a multi-objective PSO based optimizer for hyperparameters of various technical-indicators.
- Built dashboards for monitoring and visualizing various cluster-utilization metrics
- Designed framework for deployment strategies (blue-green, canary) for ML models deployed on Kubernetes
- Recognized as "Star performer of the team" 6 times

SKILLS

Languages	Scala, Python, Java, R
ML	Pytorch, JAX
DevOps	Kubernetes, Docker-swarm
Misc	Akka, Spring-boot

PROJECTS

Tplusone.Org (Team Lead/Backend Developer/DevOps)

Tplusone.Org

An in-house web based application for advanced financial market analysis, executing & visualizing algorithmic trading strategies in real-time.

MuOps-AI (Backend Developer)

An end to end web-platform for operationalizing machine learning models. Provides a jupyter-notebook based environment for deploying and monitoring ML models

Implicit Behavior Cloning for Minecraft tasks (Ongoing)

https://github.com/rokosbasilisk/implicit_bc_minerl

Evaluating energy based modelling approaches for behavior cloning in minecraft environment

Opensource-contributions

Implemented a framework for evaluating code generated by language models in a sandboxed environment, and evaluation of language-model's performance in math-word problems

AWARDS

Honorable Mention Mar 2022

Alignment Research Center

ELK (Eliciting Latent Knowledge) is an open theoretical research-problem in AI safety/AI alignment. ARC (Alignment Research Center) hosted a competition for promisable proposals which could potentially solve this problem.

Impact Award October 2022

Musigma Business Solutions

Self-engaging with any challenge, and comes up with alternate choices, commanding devops and integration skills

Bronze-position Feb 2021

Build-on-Redis Hackathon

Built a natural-language semantic code-search for build-on-redis hackathon, organized by redis-conf