Hari Sai Raghuram Veeramallu

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EDUCATION

Master of Science in Data Science   Sep 2022 – Exp. May 2024
University of Minnesota, Twin Cities   *Minneapolis, MN*
CGPA: 3.8/4
Coursework: Computer Vision, Applied Regression Analysis, Principles of Database Systems, Natural Language Processing,
Advanced Machine Learning, Introduction to Data Mining

Bachelor of Technology in Computer Science and Engineering   Jul 2016 – May 2020
Shiv Nadar University   *Greater Noida, India*
Minor in Mathematics, CGPA: 8.57/10

TECHNICAL SKILLS

Python, Java, C, PostgreSQL, MySQL, MongoDB, R, PySpark, LaTeX, Tensorflow, PyTorch, Node.js, Flask, FastAPI, Angular,
React, Git, Jira, Docker, AWS CDK, AWS Services, Microsoft Office, MacOS, Linux, Python libraries

EXPERIENCE

Amazon   Hyderabad, India
Software Development Engineer-1   *Jun 2021 – Aug 2022*
- Designed and built highly scalable systems for Returns module of **Amazon's BuyWithPrime** using Java, Typescript and
  AWS services.
- Worked in a highly agile and confidential team and was the primary on-call during the product launch.
- Owned the core returns service and developed the service end-to-end to make it operationally ready for public use.
- Automated the Application Security guidelines and Integration tests for multiple services.

Josh Technology Group   Gurgaon, India
Data Engineer   *Jul 2020 – Jun 2021*
- Designed and developed high volume data warehouses and developed systems to provide BI reports for multiple projects.
- Worked as a data engineer for **B.Well Connected Health** to develop data warehouse pipelines in Python and PySpark.
- Led a team to research and develop predictive models to reduce talent acquisition costs by 50%.
- Actively involved in client interaction for requirements and mentoring new team members.

Data Engineer Intern   *Jan 2020 – Jun 2020*
- Developed ETL scripts in Python and optimised SQL queries for time and data sensitive warehouse accounts.

Coartha Technosolutions Pvt. Ltd.   Hyderabad, India
Data Science Summer Intern   *May 2018 – Jul 2018, Jun 2019 – Jul 2019*
- Developed a NER system using neural networks to identify skills and technologies for automated talent acquisition platform
  in healthcare domain.

PUBLICATIONS

- Pothuri, A., **Veeramallu, Hari Sai Raghuram** , & Malik, P. (2021). Knowledge graph augmented advanced learning models
  for commonsense reasoning. In *Iop conference series: Materials science and engineering* (Vol. 1022, p. 012038).   [**Paper**]

ONLINE COURSEWORK

Introduction to Self-Driving Cars: University of Toronto (Coursera). [**Credential**]
Specialisation in Applied Data Science using Python: University of Michigan (Coursera). [**Credential**]
Machine Learning: Stanford Online (Coursera). [**Credential**]
Neural Networks and Deep Learning: deeplearning.ai (Coursera). [**Credential**]

AWARDS & ACHIEVEMENTS

Deans List Award: Secured Dean's List Award for exceptional academic performance in 2019 Spring and Monsoon semesters.
15th rank: Secured 15th rank all over India in ZS Data Science Challenge 2019.
Top 10 Teams: Selected as one of the top 10 teams in GE SynerGE Hack'e'lth 2019.

KEY PROJECTS

Primate Pose Estimation | *Python, PyTorch*   [**Project Report**]   Oct 2022 – Dec 2022
- Participated in the OpenMonkeyChallenge to estimate the pose of monkeys in different habitats.
- Obtained improved results using a rCNN-CPM architecure to estimate the key landmarks of monkey's pose.

OList E-Commerce Analysis | *Python, PostgreSQL, LightFM*   [**Project Report**]   Oct 2022 – Dec 2022
- Designed an effective database system for the OList eCommerce customer sales data and perfomed various analysis.
- Developed a Hybrid recommendation engine which provides product recommendations personalised to each customer.

Forest Fire Analysis | *R*   [**Project Report**]   Nov 2022 – Dec 2022
- Analyzed the effect of different meteorological factors and fire indices on the burn area of forests in Portugal.
- Used different transformation techniques and fit multiple complex regression models to model the data.