Utkarsh Ranjan

La Jolla, CA 92037

📞 +1-914-267-5306 | ✉ uranjan@ucsd.edu | ⌨ uranjan | in linkedin.com/in/utkarsh | 🌐 ranjanutkarsh.github.io

PERSONAL PROFILE

Graduate student at The University of California San Diego pursuing my masters at the Department of Electrical and Computer Engineering specializing in Machine Learning and Data Science (MLDS). Zealous about software engineering with 3 years of experience specializing in machine learning, python development, data analytics. Primarily, looking for SDE, Machine Learning/Data Engineer/Python Developer roles.

EDUCATION

University of California - San Diego, California | US   Sep 2022 – June 2024
M.S. in Electrical&Computer Engineering. (Major. Machine Learning and Data Science)
Relevant Courses : GPU Programming

Indian Institute of Technology (Banaras Hindu University), Varanasi | IN   Jul 2015 – May 2019
B.Tech. in Electrical Engineering
Relevant Courses : Parallel Computing, Distributed Computing, High Performance Computing

SKILLS

Languages : Python, R, SQL, Java, C++, Matlab, C#, CUDA
Framework : Spark NLP, TensorFlow, Keras, OpenCV, sci-kit-learn, Flask, Elastic Search, Splunk, Kubernetes
Cloud Platform : Microsoft Azure, Google Cloud Platform, AWS
Database : Microsoft SQL, Hadoop, AWS, Mongo DB
Technologies/Dev Tools : JIRA, Tableau, Git, Power BI, Confluence, Github

EXPERIENCE

Gartner,Inc   Jun 2019 – Jun 2022
Data Science Associate | Services - Data Science Team   *Gurgaon*, IN

IRIS : Recommendation System | PySpark, AWS, SparkNLP, Scikit-learn, Pandas, Neo4j, Git
- Developed a Python based recommendation system to suggest actions for clients based on their digital footprints across 5 parameters.
- Created graph embedding with 12000+ client nodes using Neo4j to train models using activity history of peer connections

GPR - IVR Survey : Comment Classification | SparkNLP, Scikit-learn, Pandas
- Developed a text classifier to mine the root causes of dissatisfaction from client feedback. Reached an F1- Score of 75% for determining action areas for corresponding business units
- Brought down the time spent from 2 weeks to 15 minutes for classifying client comments by creating a classification model using BERT
- Deployed trained scikit-learn ML models for spam classifier, entity recognition use-cases over PySpark real time ML pipeline using Natural Language Processing models.

SIVR : Creating a parameter to score client's engagement | Pandas, MongoDB
- Created a performance metric : SIVR using multivariate analysis over 20K client engagement data across 5 business units to calculate the quality of value interaction with clients
- Spearheaded the development of an automated mailing system for service executives to ensure swift issue resolution and tracking by bringing down turn around time from 90 mins to 15 mins.

Gartner,Inc   May 2018 – Jul 2018
Summer Intern | Services - Data Science Team   *Gurgaon*, IN
- Trained and test various supervised algorithms like Random Forest, Naïve Bayes and SVM using TF- IDF feature vectors to create a new FILTER in the tool achieved a classification accuracy of 83%
- Brought down the time spent from 15 hours per week to 2 hours by automating the process of report generation using python for efficient client service

Indian Institute of Space Science and Technology   May 2017 – Jul 2017
Summer Intern | Department of Mathematics   *Trivandrum*, IN
- Proposed a framework to capture the meaning of an unknown word by leveraging its root word and suffix through word embedding.
- Implemented Markov Chain Monte Carlo on UC Irvine Machine Learning Repository to achieve a macro- average precision of 91% over 11 classes.

ACHIEVEMENTS

ACM - ICPC   2018
Competitive Programming Contest
Achieved a rank of 167 in The 2018 ICPC (International Collegiate Programming Contest) Asia Amritapuri Double site Regional Contest}

Flipkart GRiD – Te[a]ch The Machines   2019
Data Science Hackathon organised by Flipkart on Object Localization in images
Qualified for pre-final stage (Level 3) of the contest and achieved an overall rank of 83