

Contact

www.linkedin.com/in/ajcse1
(LinkedIn)

Top Skills

Machine Learning
Python
R

Languages

Hindi (Native or Bilingual)
English (Professional Working)
Punjabi (Limited Working)

Honors-Awards

Winner in Advertising Event
MAD@AD
“CERTIFICATE A” examination of
National Cadet Corps
3rd Position in National Science Quiz
NTSE Scholar

Ajay Saini

Data Scientist
Irvine, California

Summary

Data scientist with a strong math background and experience in big data, machine learning, and statistics. Passionate about explaining data science to non-technical business audiences.

Skills:

- ✓ Analytical Tools: Python(scikit-learn, pandas, xgboost), R(dplyr, ggplot2), SQL, Tableau, Excel, Hadoop (Map Reduce, Hive), Apache Spark, SAS, MongoDB, Neo4j
- ✓ Machine Learning: Decision Trees, Neural Networks, SVM, NLP, Random Forest, Clustering, Bagging, Boosting, Ensemble
- ✓ Statistical Methods: Time Series, Hypothesis Testing, PCA, Factor Analysis, ANOVA, EDA, Factor & Cluster Analysis, Correlation & Regression Analysis

Experience

UC Irvine
Computational Data Scientist
October 2017 - Present (2 years 6 months)
Irvine, CA

- Working as a lead developer on NASA sponsored project to analyse climate change in Greenland and Antarctica
- Identified winter-time melt events with around 90% accuracy using Random Forest and GBM algorithms
- Discovered patterns, trends and indicators for global temperature change using Time-Series analysis
- Translated findings to both technical and non-technical audiences using Tableau dashboards
- Developed open-source Python package JAWS, which translates data from idiosyncratic ASCII formats into homogenized netCDF format

- Designed unit-testing framework to evaluate accuracy, robustness and fault-tolerance at each stage
- Developed internal infrastructure, data pipelines and queries in SQL using a variety of data files

Indiana University

Data Science Associate Instructor

September 2016 - August 2017 (1 year)

Bloomington, Indiana

- Assisted students in Python and R with special focus on machine learning models (Ensembling, XGBoost, etc.)
- Delivered a guest lecture on Time Series Analysis and its implementation in R.
- Identified the needs of learners and adapted course content and delivery style to meet their needs.
- Developed and implemented comprehensive lesson plans that accommodated specific level of learners while offering support to make certain each student was able to grasp materials.
- Contributed to a friendly and productive learning environment.

Education

Indiana University Bloomington

Master's Degree, Data Science · (2015 - 2017)

Kurukshetra University

Bachelor of Technology (B.Tech.), Computer Science · (2009 - 2013)