Aritra Thakurta

Data Science Intern

Pittsburgh, PA - Email me on Indeed: <u>indeed.com/r/Aritra-Thakurta/f21020da8723046c</u>

Willing to relocate: Anywhere
Sponsorship required to work in the US

WORK EXPERIENCE

Data Science Intern

TIBCO Software Inc   -   Palo Alto, CA - May 2017 to August 2017

• Built a Convolutional Neural network model using Tensorflow, Theano, Keras to identify the images of the defective units during the manufacturing of solar cells with an accuracy of more than 98%
• Preprocessing of all the above images using R and Python; creation of the dataset along with assigning labels
• Created a better representation of a mosaic plot in Spotfire using trellised bar plots with percentages
• Built multiple dashboards in Spotfire for ad-hoc problem statements

Decision Scientist

Mu Sigma Business Soln   -   Bangalore, Karnataka - September 2014 to July 2016

Pharma Client:
• Targeted medical facilities for a leading pharmaceutical company in the USA; studied the effect of the launch of a Bio-Similar for the competitor's drug, and how to target the right set of physicians and medical facilities by capitalizing on the situation
• Built the affiliation process (relationship between medical entities) and the valuation process to evaluate the performance of the sales representatives and understand the scope of business available in the facility
• Analyzed data by observing patterns in sales for regular ad-hoc problems
• Provided actionable insights by implementing reporting dashboards, which sites key business metrics such as an opportunity for the account to grow and account level performance
Insurance Client:
• Evaluated the contact mediums, time of contact and message to target customers for cross-selling
• Segmented customers into detractors and those who are loyal to the brand

Software Intern

Larsen & Toubro   -   Dubai, AE - August 2013 to January 2014

Developed application for generating Crystal Reports in the various district cooling plants operated by the Dubai Electrical and Water Authority (DEWA); gathered experience on PI Systems

EDUCATION

MS in Information Systems Management

Carnegie Mellon University, H. John Heinz III College   -   Pittsburgh, PA
December 2017

Graduate Teaching Assistant

Carnegie Mellon University
January 2017 to May 2017

Bachelor of Engineering in Computer Science

Birla Institute of Technology & Science   -   Dubai, AE
September 2014

BITS-Pilani
August 2013 to July 2014

SKILLS

R (3 years), Python (1 year), SQL (6 years), SAS (2 years), Java (1 year), Spotfire (Less than 1 year),
Tableau (Less than 1 year), Excel (5 years), Tensorflow (Less than 1 year)

ADDITIONAL INFORMATION

SKILLS:
R, Python, SQL, SAS, Tensorflow, Java, Spotfire, Tableau, Qlikview, Advanced Excel, STATA, Minitab,
NoSQL
Databases (MongoDB, Redis, Neo4j, Cassandra), Economic Analysis, Statistics, Digital Marketing Analytics,
Applied Econometrics, Data Warehousing