

MALAIKA GUPTA

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EDUCATION

Columbia University MS in Data Science

New York , NY | Expected Dec 2022

-Coursework: Applied Machine Learning, Algorithms for DS, Exploratory Data Analysis, Computer Systems for DS

Vellore Institute of Technology

Vellore, India | May 2020

Bachelor in Technology- Information Technology, 9.39/10

-8th Rank Holder in IT Department with Merit Scholarship for 2016-2020

-Coursework: Databases, Data Structures, Programming in R, SQL, Python, Java, Data Visualization in R, Machine Learning

WORK EXPERIENCE

United Nations Data Science Intern

New York | Nov 2021 - Present

-Built data models and classifiers, including performance measures to detect offensive language, hate speech, sentiment analysis for twitter data. (Tools Used: Python, PowerBI)

-Developed infrastructures and data visualization dashboard for conflict prevention derived from multiple data sources using state-of-the-art tools to enable insight and decision-making at various levels

Cisco Software Engineer

Bangalore | Aug 2020 - Sep 2021

-Designed and executed 15 UI features to build health monitoring dashboard (Tools Used: React, Perl, Java)

-Managed to automate and improve manual processes leveraging Cypress for the whole platform

-Implemented 8 new telegraf plugins in Golang to collect and send metrics to time series databases

Software Engineer Intern

Bangalore | Jan 2020 - Jul 2020

-Constructed a library to generate PDF from Json data in a tabular format which was leveraged by multiple teams and was a key feature in acquiring business (Tools Used: Google Web Toolkit, React JS, Java, Python)

-Designed and implemented RESTful API for user actions to troubleshoot and increase efficiency by 35%

-Built a feature to monitor and troubleshoot site-to-site VPN connection statistics in Python

LANGUAGE AND IT SKILLS

-**Programming Languages** - Python, Java, R Language, React JS, Golang, Tableau, PowerBI, BigQuery, Spark

-**Packages** - Numpy, Pandas, Scikit-Learn, NLTK, BeautifulSoup

-**Databases** - MongoDB, MySQL

PROJECTS

Analysis of pro-level competitive matches in Counter-Strike Global Offensive

Columbia University | Sep 2021-Present

-Performed exploratory data analysis and visualization on more than 50 GB of data to quantitatively evaluate players and teams and provided insights how this data can help automate strategy building

Predicting Employee Attrition in the Dawn of Recession

IIT Guwahati | Dec 2020 - May 2021

-Created a data model to predict employee attrition based on his/her past history with best AUC score of 0.87 utilizing scikit-learn and R

Blood Transfusion System Using Data Mining Techniques & GRA

Vellore Institute of Technology | Jan 2020 - May 2020

-Built a blood transfusion system by applying and comparing various algorithms such as Decision tree, Random forest and logistic regression, before and after applying GRA using Python, R and Tableau

-Random Forest algorithm showed an accuracy of 93.18% in predicting the nature of a blood donor based on past data

EXTRA CURRICULAR ACTIVITIES

-Graduate Assistant: People vs Algorithms: Data Ethics in the 21st Century

-Member of the Data Science Student Council

-Department Representative in the Engineering Graduate Student Council

-Head of development for the start-up Humourbaba

-Among Top 10 out of 1500 participants in Summer Analytics 2020 Data Science Boot Camp , IIT Guwahati