ANUJ JAIN

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EDUCATION

Master's in Computer Science **GPA: 3.9/4.00**

University of Cincinnati, Cincinnati, OH Graduation 2018

Bachelor of Engineering in Electronics and Communication **CGPA: 8.4/10**

Thapar University, India May 2017

Related courses: Data Structures & Algorithms, Java, Computer Architecture, Intro. to Programming Languages

WORK EXPERIENCE

Research & Development Intern, STMicroelectronics, India Jan. `17 – June `17

- Analyzed the input data given to an oscillator and interpreted how changing them can affect the output
- Used MATLAB and scripting language Tcl for the data analysis
- Using those inputs as features constructed a model to predict the output (using polynomial chaos method)
- The performance was 4 times faster than the conventional method (Monte-Carlo) used by the company.

Intern, Airport Authority of India, India Summer 2015

- Enhanced reliability of communication data systems used by the Air Traffic Controller
- Proposed an automated switching system in case of failure of any data transmitting device

SKILLS AND INTERESTS

Machine Learning, Artificial Intelligence, Deep Learning, Intelligent Data Analysis, Statistics, Advanced Algorithms, Dimensionality Reduction, Operating Systems, Problem Solving skills

Programming Languages:	Python (libraries: Scikit-learn, Numpy, Pandas, Tensorflow), MATLAB, Java, C
Tools:	Jupyter Notebook, Tableau, MATLAB, Eclipse
Hadoop Ecosystem:	HDFS, MapReduce, Hive, Pig, Scoop, Spark
Database:	MySQL

PROJECTS

Titanic dataset Analysis (Kaggle) 2018

- Performed data munging and wrangling to prepare data for building a model that predicts survived people
- Extracted new meaningful features from the given data that enhanced the model accuracy by 4%

Loan Eligibility Prediction 2018

- Analyzed the data and interpreted the correlation between the features to fill the missing values
- Compared different models and adjusted their parameters to build the best model (Random Forest)

Email Spam Filtering 2017

- Build the library of most common 1000 words and used it as features
- Developed sophisticated features by stemming to train model for email filtering (Support Vector Machine)

LEADERSHIP

Core Manager of SATURNALIA (Techno-cultural Fest) 2016

- Negotiated prices with clients and closed the deals to organize the events; raised funds through sponsorship

Joint Secretary of SPICMACAY 2015

- Promoted interest in culture amongst students; organized events by delegating tasks to the team members