Tanya Srivastava

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EDUCATION

BITS PILANI - PILANI
1.B.E. in Electronics & Instrumentation
2. M.Sc. in Economics
August'13 - July'18 | Pilani, India

ST.PAUL'S COLLEGE
Class XII-ISC
Grad. May 2012 | Lucknow, India
Marks: 93.8%

Class X-ICSE
Grad. May 2010 | Lucknow, India
Cum. GPA: 95.4%

LINKS

Website:// **tanya-srivastava**
Github:// **tanya008**
LinkedIn:// **tanya008**

COURSEWORK

COMPUTER SCIENCE
Operating Systems
Object Oriented Programming
Data Structure and Algorithms
Discreet Structures for CS
Machine Learning

FINANCE
Financial Engineering
Derivatives and Risk Management
Business Analysis and Valuation

ECONOMICS
Principles of Microeconomics
Principles of Macroeconomics
Applied Econometrics
Fundamentals of Finance & Accounting

SKILLS

PROGRAMMING
Proficient
C/C++ • Java • Python
Intermediate
Pytorch • Shell
Knowledge of
Spring • SpringBoot • MySQL • LaTeX
Web
HTML5 • CSS • JavaScript • JQuery •
ReactJS • Bootstrap3

WORK EXPERIENCE

SUTD - SINGAPORE | Research Fellow| Jan'18 - July'18
- Architected a DNN based Intrusion Detection System for self-driving vehicles using generative models, namely VAE and LSTM leveraging the sequential nature of data from real time driving
- Used PyTorch for the implementation.

VISA INC. | Software Engineering Intern | May'17 - July'17
- Designed and implemented an intelligent BOT application to automate the incident management life cycle in VISA.
- Supported the team in accessing crucial information from the chat window which drastically reduced the context switch phenomenon.
- Was endowed with a pre-placement offer for sincere and concerted efforts with a visible business impact.

DRDO - NEW DELHI May'15 - July'15
- Processed EEG Signal for cognitive workload assessment. Investigated theta-alpha waveforms and brain imaging concepts and evaluated workload classifier generalizing across effective context.

PROJECTS

MULTI LABEL RESEARCH ARTICLE CLASSIFICATION
Classified research articles into 10 domains of study by implementing a Bayesian Classifier where the vocabulary size was 6000 words and was successful in achieving 72% accuracy.

SARCASM DETECTION IN TWEETS
Developed a model to classify tweets scraped from Twitter into sarcastic and non-sarcastic domain by using SVM as the classifier which yielded 77% accuracy. Java Twitter API was used for data collection.

FACE RECOGNITION SYSTEM
Designed a face recognition system which uses C++ for PCA using OpenCV and performs classification using k-NN which resulted in an accuracy of 85%.

MEETING ROOM BOOKING APP
Instrumented an app for booking meeting rooms in hotels using Spring Boot and BootStrap3 along with MySQL as a database client.

ACADEMIC ACHIEVEMENTS

2018	83rd rank	Google Code Jam to I/O for Women
2017	1st rank	Nucleus Software SheCoders Challenge
2017	6th rank	SHEs-Intuit Challenge
2016	9th prize	VISA Code Ur Way

POSITIONS OF RESPONSIBILITY

2015-16	Secretary	Sangam, BITS Pilani
2014-16	Core Member	Apogee, BITS Pilani