



Mihir Ahlawat



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Education

B.Tech. Mathematics and Computing,
Delhi Technological University | 2020
| GPA: 8.22/10

Class XII - Montfort Sr. Sec. School,
Delhi | 2016 | 85.8 %

Class X - Montfort Sr. Sec. School,
Delhi | 2014 | GPA: 9.4/10

Skills

Technology stack: C,C++,R,MATLAB,
Python(and libraries),
JavaScript(libraries and frameworks),
HTML,CSS,ABAP,SQL,MongoDB

Other: MS Office, Git, SPSS, LaTeX

Spoken languages:English, Hindi,
Spanish(beginner)

Extra Curricular

Vice President | Society for Industrial
and Applied Mathematics(SIAM),
Chapter DTU | Aug '18 - Aug '19
- Year budget planning and Team
management
- Head of Publicity | Aug '17 - Aug '18

Director of Club Services | Rotaract
Club Ashoka, Delhi | Aug '18 - Aug '19
- Member | Aug '17 - Aug '18
- Setup flood relief donations camps,
participated in donation drives and
organized blood donation camps

Hobbies

Weight Training, Console Gaming,
Cycling, Listening to Podcasts,
Solving puzzles

Work Experience

- July 2020 - Associate Software Developer SAP Labs, Bangalore
 SAP Replenishment Planning (CARAB 5.0)
 - A highly automated solution that significantly speeds up replenishment planning for retail and makes ordering more cost effective
 Technologies being used - Abap, HanaDB, SAC(SAP Analytics Cloud)
 Root Cause Analysis App
 - A central application for all developers to create new RCA entries mapped with various incidents and their solutions with separate use case for quality experts to review and publish the RCAs for entire organization
 Technologies used - Abap, BOPF, Odata services, Fiori(SAPUI5), JS
- Jun-Jul'19 Data Science Intern Career Launcher, Delhi
 - Designed and programmed a statistical machine learning model using user based collaborative filtering and exploratory data analysis to build a real-time adaptive question recommendation engine
 - Built a machine learning model in python using the leads generated from users' online activities by rigorous data cleaning and extracting relevant features to predict future customers
- Jun-Jul'18 Data Science Intern Dean Student Welfare, Delhi University
 - Organised and explored the collected registration data, and made scripts in R to calculate the Best of Four(BoF) percentage for various courses and a course allotment script based on BoF percentage and availability of seats

Projects and Hackathons

- Mar 2019 Finalist for Problem AM2, Goldman Sachs Smart India Hackathon
 - RWHOptimiser is an underground water tank location optimizer which makes use of transshipment model(and other Operation Research techniques) to find the optimal location(s) and capacity of water tank(s) to be placed in a city, provided housing data, catchments, stability and (x,y) coordinates of houses
- Jan-May'19 Fire Station Database Management Academic Project
 GUI application on Fire Station database management in python using PyQt for the front-end and MySQL for the back-end with interface for both administrator and user
- Jan-Feb'19 Sentiment Analysis of Tweets using LSTMs and CNNs Personal Project
 Implemented a State Of the Art research paper(2017) to predict sentiment of tweets using LSTMs, CNNs and pre-trained Global Vectors for Word Representation(GloVe) as word embeddings

Publications

- Nov 2020 Learning Partial Differential Equations from Noisy Data using Neural Networks Academic Project
 Kashvi Srivastava, Mihir Ahlawat, Jaskaran Singh and Vivek Kumar
 Journal of Physics: Conference Series | URICSE-2020 Proceedings
<https://iopscience.iop.org/article/10.1088/1742-6596/1655/1/012075>

Achievements

- Qualified for Google Code Jam'18
- Ranked 145 in Junior Science Talent Search Examination'2012-13
- Top 1%ile in Problem Solving Assessment 2014 (Quantitative Reasoning)
- Won school football tournaments at Inter Zone level

Online Open Courses

Intel Edge AI Scholarship for OpenVINO Fundamentals by Udacity, Python for Everybody Specialization by Coursera, Game Theory by Coursera