Aman Kedia
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EDUCATION

Birla Institute of Technology & Science, Pilani, India Aug 2016 - May 2018
M.Tech in Software Engineering GPA: 9.62/10.0
(part of Scholar program funded by SAP)

Institute of Engineering & Management(IEM), Kolkata India 2012 - 2016
B.Tech in Computer Science & Engineering GPA: 9.22/10.0
(Affiliated to MAKAUT, formerly known as West Bengal University of Technology(WBUT))

EXPERIENCE

Scholar | Developer, SAP Labs India, Bengaluru, India Aug 2016 - Present
Implemented new and improved existing Machine Learning and Deep Learning models for text mining. Built a web platform for evaluating and comparing Machine Learning models. Also, developed custom enhancements in SAP ERP system for Materials Management module.

Research Intern, Indian Institute of Remote Sensing, ISRO Dec 2015 - Mar 2016
Data Mining on weekly public health data of Dehradun district *Advisor: Prof. Shiva Reddy Koti*
Obtained clusters of regions demonstrating similar occurrence patterns for 15 diseases in the district of Dehradun, India. Identified diseases outbreaks & contributing regions with their visualizations using geo-coded Maps. *Submitted to Journal of Indian Society of Remote Sensing, Springer.* [link to draft]

App Development Intern, Codeblix (a NASSCOM startup) Jun 2015 - Jul 2015
Developed a mobile app enabling users to reserve parking slots at various parking venues across Kolkata.

RESEARCH PROJECTS (Advisor: Prof. Saptarsi Goswami)

Empirical Study to Evaluate the Performance of Classification Algorithms on Healthcare Datasets Oct 2016 - Dec 2016
Compared the performance of 5 algorithms on 13 datasets based on Accuracy, Precision, Recall and F1 score. Accepted at *World Journal of Computer Application and Technology, 2017.* [link]

Application of Twitter in Health Care sector of India Nov 2015 - Dec 2015
Mined 15000+ tweets to identify trends in disease patterns and study the impact of Mission Indradhanush based on Twitter discussions. Accepted at *IEEE-Recent Advances in Information Technology, 2016.*[link]

Data Mining Techniques in Indian healthcare: A short review Aug 2015 - Oct 2015
Studied 61 research papers to analyze the data science research performed in healthcare with special focus on India. Accepted at *IEEE-Man and Machine Interfacing(MAMI), 2015.* [link]

Filter Based Feature Selection Methods using Hill Climbing Approach Nov 2016 - Jan 2017
Explored variants of Hill Climbing for feature selected and obtained 1.7% better classification accuracy across 20 datasets when compared to Genetic algorithm. Submitted to *Sadhana journal, Springer.*

ACADEMIC PROJECTS

- **BookMyTicket**, a web cum mobile app for booking movies seats and pre-ordering food. [link]
- **Kirana**, an end to end E-Commerce web application for grocery shopping. [link]
- Java(Spring) based app for making **flight ticket reservations**. [link]
- **College Attendance Management System** for tracking student attendance. [link]

TECHNICAL SKILLS

Generic: C++, Java, Python, R, SQL, PHP, MongoDB, MySQL, Oracle 11g.
Tools & Libraries: NLTK, Keras, Gensim, NumPy-SciPy-Sklearn, TensorFlow, Theano, e1071, FCluster.
Web related: HTML, CSS, JavaScript, Flask, Telerik Framework.

AWARDS and ACHIEVEMENTS

- **Innovation Award**, SAP for developing a system in *What The Hack* event capable of ranking candidates for a required skill set using scraped data and resumes.
- *Codeforces* Rating of **1441 (Highest 1545, Specialist Level)**.
- **Winner, Regionals** at *Aspirations 2020*, programming contest by *Infosys*.
- **Rank** 82nd among 40000+ teams in *TCS Codevita*.
- **Sougata Mondal Memorial Award** for outstanding contribution to the UG Institute (Senior year).
- **Outstanding Student of the year**, UG Institute (Junior year).
- Ranked 1st **in M.Tech** batch presently after 2 semesters.
- Amongst the **top 3** of the CSE department in **B.Tech**.