

MANVEER SINGH SANDHU

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sandhu-manveer.github.io

Summary

Data Scientist and Web developer with extensive experience in solving real-world business problems across domains using Natural Language Processing, Machine learning and Data Analytics techniques, while at the same time developing visualizations and web frontends to gain actionable insights

Experience

Data Scientist/WDC Developer IBM

Aug 2016-Present

- Assist clients in the selection, implementation and support of the integrated solution that includes Advanced Analytics, Natural Language Processing, and other Cognitive Computing technology components
- Developed Cisco Product engineer assistant chatbot
- Worked on the creation of graph representation of Cisco Bill of Materials in collaboration with IBM research Zurich

Data Scientist Intern

Feb-Aug 2016

- Social data analysis for Roche to identify social media presence of competitors and to identify potential customers prior to launch of their new Hemophilia treatment drug
- Social data analysis on Twitter data to identify users for targeted advertising for American Express

Aircel Jaipur

June-July 2015

- Summer training/internship at Aircel Jaipur. Covered basics of telecommunication technologies
- Assisted planning department in the installation of new cell towers in Jaipur and worked with Operations team to monitor signal reach and infrastructure upkeep

Education

NIIT University

B.Tech Electronics and Communications Engineering

- **CGPA:** 9.09
- **Relevant coursework:** Inferential Statistics for data science, Predictive Modeling for data science, Big Data concepts, Natural Language Processing, Business Analytics, Fundamentals of Engineering Economics, Digital Image Processing
- Selected for IBM Data Science Program (Specialization in Data Science)

The Lawrence School, Sanawar

- **Class X CBSE AISSE 2010:** CGPA 9.20
- **Class XII CBSE AISSCE 2012:** 93.8% (PCM, English, Economics)

Projects

Automatic Theft Detection System

- Designed a security system that uses digital image processing techniques to detect and report burglaries in real time. The algorithm applied for the project was published in [2015 Third International Conference on Image Information Processing \(ICIIP\)](#) as [Real-time security solution for automatic detection and tracking of intrusion](#)

Skills

Key Skills: Machine Learning, Web Development, Data Analytics, NLP, Spark, Node.js, Python, R, SPSS, Bluemix, AWS, Watson Development Cloud

IDEs: Eclipse, Visual Studio Code

Awards

- Full academic scholarship holder (2012-16) based on academic performance (NIIT University)
- Best Graduate Hire award 2017 (IBM CIC India)