Kunal Malhotra

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knrmalhotra.com | Github | Stackoverflow

<mark>EDUCATION</mark>

Birla Institute Of Technology And Science, Pilani Dubai Campus
B.E (Hons) in Computer Science | Class of '18

<mark>EXPERIENCE</mark>

IBM
Developer Advocate | Sept '17 - Present
- Worked closely with GBS to develop a Blockchain Demo presented at Arab Health Conference in 2018. Main person in charge of frontend and testing for the application.
- Developed Skill Analytics application for business leaders of IBM Middle East to analyze the skill-set of their teams in the Middle East, Africa, and Turkey.
- Developed a Demo using Watson Studio, Watson Visual Recognition and IBM Mobile Started service for WCP team.
- Worked in the early stages of ADSIC Project (Abu Dhabi Systems & Information Center) and helped with delivering the first working draft.
- Delivered an enablement to the tech sales team of IBM Middle East on Mobile Foundation service.
- Co-creating and co-delivering "Break into AI" - a popular series of workshops for developers who want to gain technical skills in the field of AI.
- Organized several Data Science, Machine Learning, Deep Learning, Containers, Kubernetes and Mobile app Development workshops.
- Contributed to IBM Code Content with a total of 1 pattern (on-going), 1 lecture and 2 How-to's (on-going).
- Mentoring startups and individual developers, helping them to build their products using IBM Cloud services.

Startup Elves
Software Developer Intern | July '17 - Aug '17
- Interned at Startup Elves, in the app development team, working primarily in the android application development.
- Developed BeeHealthy Android application using technologies such as OpenCV, Google Cloud, and Mobile Vision API.
- Developed Firebase backend for the application.

Paccked
Co-Founder | Oct'16 - Nov'17
- Product development lead.
- Developing the mobile application (Android and iOS) under productivity and efficiency improvement category.
- Developed custom APIs to support the development of mobile applications.

Prof BankU
Tech Lead | June'15 - Present
- Product development lead.
- Developed an Android application under e-learning category, helping the student to prepare for government exams in India.

Innovation i360
Developer Intern | March'15 - May'15
- Innovation i360 technical team; worked primarily in HTML5 and CSS3 and occasionally PHP.
- Created a new database for the website www.turn8.co.
- Designed and developed a website know as www.devlab.com.

AWARDS

- Won the **2nd Prize (Best Use Of Data)** at Dubai Happiness TechSprint 2018 organized by Startupbootcamp and SAP.
- Presented Paccked at IATA **International Business Travel Submit 2017** at Geneva, Switzerland.
- Won the **Developer Prize Award** and **Emirates Special Award for Best API** usage at IATA NDC Hackathon held in Dubai.
- Won the **Bronze Medal** at the Ministry of Finance Smart Cities Hackathon held in Dubai.
- Received **1st place** in Code Jam 2016 organized by Oracle at Middlesex University Dubai.
- Received **3rd place** in Visa Digital Payment Hackathon 2016 held in Dubai.
- Won the **3rd Prize** and **incubation at Hamdan Innovation Incubator** at Hacka {MENA} Hackathon held in Dubai.
- Received **2nd place** in IoTX Hackathon 2015 organized by Government Of Dubai.

ACADEMIC WORK

Large Scale Sentiment Analysis Using Apache Spark
Prof. V. Santosh Kumar | Feb'18 - May'18 | Bachelor Thesis
- Build a framework for Large-Scale Sentiment Analysis capable of handling Millions of Nodes using Apache Spark.
- Implemented the famous bag of words algorithm from scratch.
- Technologies Used:- Apache Spark, Apache Kafka, MLlib2, Pandas, Matplotlib, Python.

Developing Recommendation System Using Bayesian Network
Prof. Suhel Ahmad Khan | Aug'17 - Dec'17 | Semester Project
- Built a model using the conditional probability of training data and then feeding that model into the Bayesian network to answers question (queries). The whole implementation focuses on categorizing the training data and queries by the users to provide best recommendations.
- Technologies Used:- Scikit Learn, Pandas and Matplotlib

Cloud Based AI Chatbot
Prof. Nand Kumar | Aug'17 - Dec'17 | Semester Project
- Developed a chatbot to provide the recommendations regarding restaurant, hotels, and places to visit according to the location of the user.
- Technologies Used:- Watson Assistant API, Cloudant DB, Android SDK.

Web Graph And Page Ranking Algorithm
Prof. K. Kumar | Feb'17 - May'17 | Semester Project
- A Python implementation of PageRank algorithm. The implementation applies the PageRank algorithm to a provided graph to determine the steady probabilities with which a random walk through the graph will end up at each node.

Social Networking Sites Data Analysis
Prof. Siddhaling Urolagin | Aug'16 - Dec'16 | Semester Project
- Developed a that generates a number (confidence level) for the truthness of tweets. Collected data from Twitter Data Streaming API using flume and stored it in local HDFS implementation and then using Natural Language processing techniques to analyze that data.
- Technologies Used:- Hadoop, Hive, and Flume, Twitter Streaming API, Python.

SKILLS

Data Science, ML & DL [Keras, Tenserflow, Scikit learn], Kotlin, Java and RxJava[Android], Python [Flask], Go Lang, JavaScript, C/C++, Git, Docker, Kubernetes, Gradle, Nginx.