

SUMIT KUMAR

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🐙 github.com/sumitdvlp

TECHNICAL SKILLS

Languages	Java, Python, MATLAB, PL/SQL, Shell(Bash), Scala, Javascript
Backend & Databases	RESTful, Apache Tomcat, Nginx, Redis Queue, Docker, MySQL, MongoDB, Oracle, Elastic Search
Tools & Frameworks	Django, Flask, Apache Spark, Android, D3.js, Hadoop, Git, Gradle, AWS, JIRA
Machine Learning	Regression, Feature Selection, Naive Bayes, SVM, Neural Networks

EDUCATION

Master of Computer Science <i>Arizona State University, Tempe, Arizona, GPA: 3.6/4.0</i>	Jan 2017 - Dec 2018
Bachelor of Technology, Computer Science & Engineering <i>Jaypee University Of Engineering & Technology, India</i>	Jul 2007 - Jun 2011

EXPERIENCE

Starbucks Technology Center Data Science Intern (<i>Flask, Python, Sklearn, Nginx, Redis Queue, Alexa, Spacy, Slack API, Docker</i>) <ul style="list-style-type: none">Developed an AI chatbot API (a personal Barista) with a team of 3. Implemented functionalities like coffee run and group order.Planned and deployed chat bot integration with Slack, using multi-threading and authentication to make it production ready.Initiated scalable deployment plans and architecture for 6000 employees, utilizing different services like Docker and Nginx.	May 2018 - July 2018
Tomnet Center Software Engineer (<i>Django, Python, AWS, Nginx, Redis Queue, Docker, S3</i>) <ul style="list-style-type: none">Designed and developed a web app for PopGen software. Used loosely coupled services to increase availability and saved cloud cost.Engineered on-premise back-end service and implemented scalability, load balancing, and RESTful for the backend.	Aug 2017 - January 2018
ASU-Mayo Clinic Informatics Laboratory Machine Learning Developer(Volunteer) (<i>Python, Sklearn, Matplotlib, Pandas, Numpy, Machine Learning, Tkinter</i>) <ul style="list-style-type: none">Developed feature selection tool for clinical practitioners to identify relevant features for high dimension data (60K features).Experimented and built in-house pipeline algorithm for feature selection which improved accuracy by 15% and efficiency by 3 times based on Sequential Forward Selection (SFS).	May 2017 - July 2017
Deloitte Consulting Technology Consultant <ul style="list-style-type: none">Designed and implemented end-to-end Data Warehouse systems using ETL Tools, shell scripting and performance tuning of the database. Automation decreased Manual Intervention by 25%. It processes 2 million records daily.Created Data Warehouse Framework design of the solution that included automation of data profiling and cleaning.	Jun 2015 - Dec 2016
Accenture Software Engineering Analyst <ul style="list-style-type: none">Developed and implemented SOA Mainframe application and improved ERP and BI reporting solutions.Implemented automation in Data warehouse using SAP Data Services, HANA, increased efficiency of the solutions by 3 times.	July 2011 - Jun 2015

HACKATHON, SIDE & ACADEMIC PROJECTS

Electronic Health Record using Alexa - Winner Hack Arizona - MLH 2017 season <i>AWS Lambda, Python, S3, AWS API</i> <ul style="list-style-type: none">Developed an EHR system for 3rd world countries, it can help Physicians to access and store records patient's records using Alexa.	
Interview AI - Side Project <i>Alexa, Flask, Python, SVM, Spacy</i> <ul style="list-style-type: none">Developed a skill which gives candidate's success probability score for recruiters to screen applicants in behavioral interviews.	
Cloud Pi <i>EC2, S3, SQS, IAAS, AWS Java API, C</i> <ul style="list-style-type: none">Built an elastic, scalable SaaS application using Amazon IaaS to calculate the value of 'Pi' using SFFT C program.	
Hot Spot Analysis of New York Taxi Trip Spatio-Temporal Data <i>Apache Spark, Hadoop, Scala, HDFS</i> <ul style="list-style-type: none">Developed a distributed application using Spark Scala API and Hadoop File System that performs geospatial operations on 300 million datapoints and returns 50 most statistically significant Hotspots in New York City.	
Free-Cast <i>Android Studio, Google Cloud Services, Google App Engine Java API, Firebase</i> <ul style="list-style-type: none">Developed mobile app which allows users to notify all other users about the availability of free stuff, in real time.	
Cross Site Scripting XSS filter <i>BeautifulSoup, Python, LAMP</i> <ul style="list-style-type: none">Designed and developed a tool that can be used by a naive developer or existing server admin who has no experience in web security to protect the application from XSS, SQL Injection, and OS command injection attacks.	