# Aakash Khurana

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## EDUCATION

**Northwestern University (NU)** – Evanston, IL || **Master's in Computer Science, GPA: 3.7**                    Anticipated: Dec'20
Coursework**: Software Construction, Scalable Software Architecture, NLP, Deep Learning, Biometrics, Cyber Security**
**SRM Institute of Science and Technology** – India **|| Bachelor's in Computer Science, GPA: 9.2/10**                    July'16

## SKILLS

- Languages                         : Java, Python, JavaScript, C++, PHP, VBA, MATLAB, HTML, CSS
- Frameworks/Tools              : Vue JS, REACT, FLASK, Node Js, OpenCV (Image Processing), Power BI, Bootstrap
- Cloud Technologies            : Microsoft Azure, AWS Lambda, AWS S3, Firebase
- Database                         : Elasticsearch, MongoDB, MySQL, Oracle 10g
- ERPs                              : Oracle NetSuite, ServiceNow, SAP
- Others                            : Data Structure, Algorithms, LINUX, Robotic Operating System (ROS)

## WORK EXPERIENCE

**Unilever** – India
***Software Developer***                                                                                                    ***Jan'17 - Jul'19***

- Developed end to end IT solutions leveraging technologies such as Java, Python, VBA and Power BI which aided in revenue generation and savings of more than $500K
- Led a team of 7 members across South-Asia to deliver automation projects increasing overall service efficiency by 40%
- Developed solutions for IOT based projects with multi-system integrations and APIs generating $250k of cost benefits
- Analyzed customer issues using extensive data analysis to build AI solutions resulting in workload reduction by 4 FTEs
- Ideated, delivered and managed scalable product features for NetSuite leading to $100k of cost savings on licensing and infrastructure

***IT Executive Trainee***                                                                                                    ***Jul'16 - Dec'16***

- Developed and managed an assistance portal utilizing VBA and Java saving 2 FTEs worth of effort
- Delivered projects employing the Agile and Waterfall models of SDLC
- Empowered IT across Business Domains such as Supply Chain, Customer Development and Marketing

## PROJECT EXPERIENCE

***Internet of Things:***

- Designed and delivered functional modules for pay-per-use purifier by deploying REST APIs between NetSuite, IOT circuits and Microsoft Azure Cloud

***Transition Assistance Portal:***

- Developed a web portal using VBA and JAVA for network planners and customer service teams across India to efficiently plan the release and delivery of new consumer products
- Released and managed above portal reducing the TAT for a new product release by 60% and saving 100+ man-hours

***Consumer Facing Chatbot***

- Developed an AI chatbot using Python, deployed on a customer facing website, to analyze and resolve the common/recurring issues reducing customer issue count by 40%

***NetSuite Cloud Migration:***

- Performed code migration, script merger and redundancy removal as a part of NetSuite instance migration from a single subsidiary model to a multi subsidiary model leveraging Suite script and scheduled jobs

## ACADEMIC PROJECTS

***News Search Engine:***

- Developed a News search engine using REACT powered by Elastic Search at the backend communicating with REST APIs employing AWS Lambda for extracting War file which updated the news records

***GO Game:***

- Developed a multi-player interface for playing the GO game over the network using an OOPs enabled Python code

***Autonomous Vehicle:***

- Developed vision suite employing Python and OpenCV on the Robot Operating System (ROS) framework for an Autonomous Underwater Vehicle to change states of the machine based on the surroundings

***Computer Vision:***

- Developed a License Plate Recognition system using Raspberry Pi and webcam employing Python, custom made OCR system and OpenCV for deploying the vision codes

## AWARDS

- Won the Nationwide Competition for Underwater Autonomous Vehicles (SAVe -2015) held by NIOT – India
- Ranked #7 worldwide at RoboSub -2015(conducted by RoboNation) at San Diego, California