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ANKIT GOYAL

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Summary

- Computer Science graduate student majoring in Machine Learning and Data Analytics, with 3.5 years of professional work experience.

Education

Masters of Computer Science, **Arizona State University, Tempe, AZ** GPA: 3.67/4.0   **Jan 2016 – Dec 2017**
- *Relevant Coursework:* Data Mining, Foundations of Statistical Machine Learning, Statistical Machine Learning, Data Visualization, Distributed Databases Systems, Information Assurance and Security, Data Structure and Algorithm, Software Design, Software Security, Mobile Computing.

Bachelor of Technology, Nirma University, Ahmedabad, India GPA: 7.39/10   **Jun 2008 – May 2012**

Languages and Technology

- **Languages:** Java, Python, MATLAB, Android
- **Web Technologies:** HTML, CSS, PHP, JavaScript, JQuery, Bootstrap, Maven, AJAX, RESTful Web services, D3.js
- **Databases:** MySQL, SQLite, PostgreSQL, MongoDB
- **Tools:** Android Studio, CorelDraw, Git

Employment

Summer Intern, Choice Hotels International   **Jun 2017 – Present**
- Working as a backend engineer for their core product Choice Edge (Online Hotel Reservation System)

Student Developer, Herberger Institute of Design and Arts, ASU   **Dec 2016 – May 2017**
- Responsible for developing and maintaining the web-applications for the ASU's design school.
- Accountable for performing corrective actions on issues highlighted in security scans reports submitted by ASU's Security Dept.
- Leading the migration of legacy PHP applications to newer version of technologies.

Graduate Service Assistant, Arizona State University   **Jun 2016 – Sep 2016**
- Research Project which identifies the cyber-threats in the earliest stages.
- Implementing user-interactive dynamic GUI dashboard for data visualization using D3.js, PHP, HTML and CSS3.

Founder, Sol-Savvy Services (startup)   **Mar 2014 – Oct 2015**
- Developed desktop and web based accounting software, Pac Savvy aimed at small and medium business enterprises.
- Built Internet booking engine for bike and car servicing by various authorized vendors in India.
- Programmed automated tool which analyses many CSVs given by Reserve Bank of India at single go to categorize and generate the list of applicants whose loan is approved or disapproved with reasons, reducing human efforts nearly by 99 percent.

Software Engineer, Accenture Services Pvt. Ltd.   **Oct 2012 – Mar 2014**
- Contributed to Customer Gateway Services (CGS) for Barclays Bank, which is an interactive web application used by personal bankers to perform various Banking operations.
- Modeled business processes and created impact assessment documents, design documents (RTM), use case, sequence and workflow diagrams of complex client requests for translating into business requirements.
- Programmed in Java to develop 3-4 modules per project release aimed at code reusability and abstraction.

Software Developer Intern, Educational Initiatives Pvt. Ltd.   **Dec 2011 – May 2012**
- Developed activity based interactive mathematical games for conceptual understanding in Flash.
- Designed a collaboration platform for students to share ideas, academic projects among their peers in PHP, HTML and JavaScript.

Academic Projects

- **Adversarial Image Classification (2016):** Implemented logistic regression model for classification of images, algorithm to generate adversarial images and studied the effect of adversarial images on machine learning model in MATLAB.
- **Movie Recommendation (2017):** Designed user based and item based movie recommendation system based on the data set provided by IMDB by implementing various machine learning algorithm such as Logistic Regression, KNN, SVM etc. in MATLAB.
- **Stock Market Analytic Tool (2017):** Developed an interactive tool for stock market investors to analyze the current and past trends in stock market which provides the interactive data visualization based on various stock market indexes in D3.js
- **Mobile Monitoring Android App (2016):** Developed an Application to monitor Call, SMS, and Locations in smartphone that you own or have proper consent to monitor in Android.
- **Automated Cross-site Scripting (XSS) prevention (2016):** Designed automated libraries to protect code injection attack on the insecure websites in PHP and JavaScript.
- **Restful Web Services (2016):** Designed and implemented web services in REST architecture to allow CRUD operations and Hypermedia driven transactions using XML Data Object in JSP and Java.