

AMIT BANSAL

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OBJECTIVE

Seeking a dynamic **Software Developer** position where I could integrate my technical experience and skills to prove vital avow to the corporation.

- 2.5+ years of experience in software development
- 1 year of experience in data analysis using **R** and **python libraries** such as **numpy**, **skfuzzy**, **wordcloud**, **matplotlib**.

EDUCATION

Master of Engineering in Computer Science and Engineering
University of South Carolina; College of Engineering and Computing
Current GPA: **3.35/4**

May 2017
Columbia, SC

Bachelor of Technology in Computer Science and Engineering
Amity University; Department of Computer Science and Engineering
Overall GPA: **3.73/4**

May 2015
Gurgaon, India

WORK EXPERIENCE

Graduate Assistant

University of South Carolina

(February 2016 – present)

Columbia, SC

- Working towards a high performance computational tool based on **python** and **R** to effectively mine the spatiotemporal patterns of people's experience, needs and opinions.
- Performed descriptive and multivariate **statistical analyses** of the processed twitter data using python libraries **numpy**, **skfuzzy** etc.

Graduate Teaching Assistant

University of South Carolina

(Jan 2016 – December 2016)

Columbia, SC

- Instructing and assisting students in the **Algorithm Design** Lab for development of algorithms and computer programs involving data structures using **Java**.
- Involved in assisting students in their work related to **HTML5**, **CSS3**, **MIT App inventor** and help them to understand the fundamental concepts related to **computer programming**.

Project Intern

Saffron e-Services

(May 2013 - June 2013)

Noida, India

- Assisted a developing team working on a project titled "Social world" that connected social networks and e-learning.
- Scrutinize & anatomize various projects implemented on **C#** to comprehend software development strategies and approaches.
- Used **SQL** database and **ADO.net** for its storage and connectivity purposes, Worked on **GUI** Part of various models with the help of **ASP.Net** and **AJAX**
- Tested & debugged various codes of the modules to find out bugs and removed them under the guidance of the testing team.

Software developer Intern

Silicon Star Info India Private Ltd.

(June 2012 - July 2012)

Jaipur, India

- Worked as a developer intern with a team for automation the company payroll management department.
- Developed various modules including payroll computation and reports generation module.
- Optimized code of the modules to reduce the execution time and maximize the efficiency.

PROJECT EXPERIENCE

Meeting Engagement and Tracking System (MEAT)

(August 2016 – December 2016)

- Contributed to each stages of **SDLC** for MEAT and follow the **Agile Scrum process** methodologies for its development.

- Designed the product with **OOP (Object-oriented programming)** using **Java**.
- Generate test cases using **JUnit** for the testing phase of a product. Worked on various **UML diagram** design for the implementation like **data-flow, use-case, class diagram**
- Designed the **MySQL** database to maintain the records, Used **Swing API** for Graphical user interface, **JDBC** for connection to database and GitHub for version control.
- Performed **Unit testing** and **Emma** to generate test coverage using **Eclipse**

App Deployer using Docker as PaaS (Platform as a service)

(Jan 2014 - April 2014)

- Developed an application which ran over Docker and helped the programmer to deploy their work, applications conveniently on the internet.
- Facilitated developers to manage their cloud applications and create secured lightweight virtual environments without any need of deep knowledge of server configurations and management.

Motel Reservation System Automation

(June 2013 - July 2013)

- Developed a **web application** using Java **J2EE** for Maya Motels that helps the organization to maintain their online identity and helps the customer to check for availability of space and reserve a place along with motel details.
- Automated the assets management, data maintenance task and bill processing system.

Client Server Message exchanger

(June 2014 - July 2014)

- Developed an application using **C#**, which provided an instant message exchange between the users.
- Implemented a system that can multicast a message within the organization using LAN.

TECHNICAL SKILLS

- Microsoft office, Virtual Box, VMPlayer, VMware Fusion, Windows, macOS, Linux, App inventor, **Agile and scrum, software development, Web development**
 - **Databases:** SQL Server 2005/2008, Oracle PL/SQL, MySQL, SQL, mongoDB, Microsoft Access
 - **Front End /Web Technologies :** Java Script, **PHP**, HTML5, XML, and CSS3.
 - **IDE and Tools:** Visual studio 2008/2010, Eclipse, NetBeans IDE, Spyder.
 - **Programming Languages:** **Python, R, .Net, C, C++, Java, Visual Basic, C#**
 - **Framework:** WCF, WPF, MVC, AJAX, AngularJS, JUnit
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