SACHIN HEGDE

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SKILLS

- Language and platform- Java, Python, Android, IOS, JavaFX, Vaadin, Docker, IntelliJ, NetBeans, Git, MOE, Gluon, Maven, Visual Studio, Gradle, SBT, Objective C.
- Soft Skill- Goal oriented, Future focused, Critical Thinking, Resiliency.

EDUCATION

MS in Computer Science - University of Illinois at Chicago   August 2017 – Expected Graduation - May 2019

- Relevant Courses – Algorithms, Object Oriented Language and Environments, Advance Database Management System, Advance Machine Learning, Data Mining and Text Mining. GPA 3.4/4

Bachelor of Engineering in Computer Science - Visvesvaraya Technological University (India)   July 2011 – June 2015

- Relevant courses – Data Structure, Design and Analysis of Algorithm, Object Oriented Programming, Software Engineering,
- Elected as Student Body President for 2 consecutive years, hosted university hackathons.

ORIGINAL WORK

MiddleMan, the Game

- Invented multiplayer online game with disability inclusion and language independent features built into it.
- Developing artificial intelligence based system player which can effectively replace real human player.
- Game can be developed on any platform that can interact with the user using any language or medium.

Time based Random Number Generator

- Developed time based random number generator algorithm.
- System resource consumption is significantly better than existing random number generator, making it ideal for IoT devices.

WORK EXPERIENCE

Binfer Inc. – Software Developer Engineer - *Chicago, IL*   May 2018 – Present

- Played key role in data-informed multi-platform product development.
- Lead the design and development of mobile application on Android platform. This was a full stack effort.
- Proposed native implementation of the mobile application instead of multi-platform framework based on the system performance and user experience.
- Lead the development of mobile application on IOS platform with multi-platform framework, this enabled integration of existing Java libraries.
- Played key role in developing new features on B2B web application developed with Java web application framework.
- Developed communication features for the new desktop application on Java software platform.

Deloitte & Touché LLP - Advisory Associate Solution Advisor - *Bangalore, India*   September 2016 – August 2017

- Successfully delivered high security and time sensitive project by managing the design, development and implementation.
- Trained the team of 8 on CA IDM, IBM QRadar, and CA SiteMinder.
- Created test cases by analyzing business, functional, system requirements during the design phase of the project. Executed developed test cases and achieved 100% accuracy of the goals set by the business.
- Implemented Multi-factor authentication with CA advance authentication.
- Completed ITIL certification, QRadar administrator Certification, CA IDM and CA SiteMinder Certifications.
- Recommended for second promotion for demonstrating exemplary performance.
- Part of the core organizing committee responsible for organizing corporate social service programs.

Deloitte & Touché LLP - Advisory Analyst   August 2015 – August 2016

- Worked on Identity and Access Management implementation for public-sector clients based on CMS MARS-E 2.0 guidelines.
- Received awards for solely leading the project thread and for ensuring client satisfaction.
- Led and organized multiple employee engaging events for the entire office.

PROJECTS

Learning from Random Numbers – Quantifying Human cognition   August 2018 – May 2019

- Masters project aimed to develop machine learning models which can play the MiddleMan game against real humans.
- Developing machine learning model which can learn and adapt to human opponent strategies to predict and win the game.
- Successful implementation will lead to better understanding of the human cognition and would aid in quantifying and mapping of decision-making process.

Big Data Analytics in Healthcare: Countering Tuberculosis, a global approach

- Implemented a year long research project on effort to mitigate tuberculosis funded by Microsoft Azure.
- Awarded Microsoft Certificate for implementing big data analytics as a part of the research program.

Java Mini-Compiler

- Developed Mini Java compiler to implement syntactically and semantically correct code generator, Java mutation, Java assist, Log4j logging and bytecode modification. Worked with Maven, Gradle, Git and Bit Bucket.