Ankit Agrawal

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EDUCATION

Master of Science in Computer Engineering Dec 2017
University of Florida Gainesville, FL GPA: 3.54/4.00

Senior Certificate Program, Computer Science May 2016
University of Florida Gainesville, FL GPA: 3.67/4.00

Bachelor of Technology in Electronics and Communication Engineering May 2016
Jaypee University of Engineering & Technology, Guna, India GPA: 9.0/10.00

TECHNICAL SKILLS

Programming Languages: Java (J2SE, J2EE), MATLAB, Python, C, C++, R
Databases: HBase**,** MySQL, Oracle
Web Technologies: XML, HTML 5, CSS3, JavaScript, Angular, PHP,Ruby
Tools & API: Eclipse, NetBeans, Android Studio, MATLAB, GIT

WORK EXPERIENCE

Embedded Applications Developer, Techie Nest India Summer '15 & '16
- Coded for the prototype of **Sixth Sense Technology, Anti-Theft Security Systems with email alerts**
- Worked as a **Tutor – Image processing and Embedded Systems**

Research Robotics Intern, Techie Nest India -Technology service provider and Training organization May-July 2014

- **Virtual Switch Controlled device using Touchscreen Wall**, an embedded System through which, devices can be controlled through a virtual wall.
- **Automatic Book Reader prototype**, using MATLAB. System could automatically read anything that has been projected to the camera attached with the system.

PROJECT EXPERIENCE

Search Engine Web Application – "TAGGED" University of Florida, Gainesville August-Dec 2016
- Like Google Search Engine
- Used **"HBase"** to store large amount of data from eclectic sources of news websites and display **URL's of the sources and headlines** of the String being searched

Dialogue based Web Application "SPEAKMUSIC" University of Florida, Gainesville August-Dec 2016
- User could ask for the music using voice just like SIRI, CORTANA, ALEXA or ASSISTANT and SpeakMusic would play for the user
- Used api.ai for natural language understanding

School Curriculum Management System University of Florida, Gainesville Feb-April 2016
- Collaborated with a team of 3 peers to design a website for school management system (HTML, CSS, Oracle SQL, PHP).
- Design complex queries to help parents to analyze the quality of education of a school.

Digital Image Watermarking using DCT, DWT & DFRFT Jaypee University of Engineering & Technology May-Dec2015
- Implemented an algorithm using the combination of different transforms to come up with an algorithm that could provide more robust results for digital image watermarking.
- Published a paper on **Robust watermark scheme based on DWT and visual hided scheme** at International Journal of Advancements in Computing Technology 7(3). January 2016

LEADERSHIP

Treasurer, ISF (Institute of Electronics and Telecommunication Engineers Student forum) Dec 2015-May 2016
Jaypee University of Engineering & Technology, Guna, India
- Managing Funds and coordinating effective activities among the technical societies of the University.

Secretary, Robotics Club ISF- JUET Jan-Dec 2015
Jaypee University of Engineering & Technology, Guna, India

- Conducted a workshop on "**DUAL TONE MULTIPLE FREQUENCY(DTMF)** Autonomous Systems"
- Administered the student abilities by helping in team building, planning systems and process and coordinating activities of the members, keeping them motivated and focused.
- Conducted different events like Detective CALC, Robo-Soccer, Line Follower