

Rajat Yadav

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EDUCATION

Texas A&M University, Dwight Look College of Engineering

Master of Science, Computer Science

GPA: 3.83 / 4.0

College Station, Texas/ USA

May 2017

National Institute of Technology, Kurukshetra

Bachelor of Technology in Computers

GPA: 4.0 / 4.0

Kurukshetra, Haryana/India

June 2012

TECHNICAL SKILLS

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- **Languages:** C, C++, Java
 - **Database:** MySQL
 - **Mobile Applications Env:** Android
 - **Web Tools:** HTML
 - **Tools:** Eclipse, MS Visual Studio, Android Studio

EXPERIENCE

Amazon.com

Seattle, Washington/USA

Software Development Engineer Intern

May, 2016 – Aug, 2016

- The objective of the project is to create a generic module inside the Delivery Mobile App that could be used to take images and upload them to a server. The module should be generic so that it can be extended to other use cases in the Delivery App. The use case could be to capture an image as a proof of delivery or to drive metrics. One use case was defined as the scenario where a transporter is unable to deliver a package when a business gets closed for the day.

Samsung R&D Institute Bangalore

Bangalore, Karnataka/India

Senior Software Engineer

July, 2012 – July, 2015

- Worked on 4 cycles of Android OS upgrade for Samsung flagship models Galaxy S3, S4, S5 Note2, Note3.
- Worked on Android platform UI Framework, Notification System UI and Lock Screen and gained expertise.
- Independently implemented Tack Notifications, Muting Notification, Notification Panel Animations and a Lock Screen for Samsung mid-range devices.
- Implemented 3D-Animation support for Android Activity-Activity transitions.
- Integral part of the team that developed and implemented Cross-Apps.

Bittream India Pvt. Ltd

Noida, Uttar Pardesh/India

Intern

June-July, 2011

- Singly developed a general Obfuscator-De-Obfuscator for any directory system that contains C/C++ code to obfuscate it and to de-obfuscate an already obfuscated code, the company used the system to obfuscate their text rendering engine "Panorama" code file system.

National Institute of Technology, Kurukshetra

Kurukshetra, Haryana/India

Project

July – Dec, 2011

- **Meeting Recording System:** is a smart meeting recording system, that aims to store, manipulate and retrieve the video and audio of a meeting recorded through a suitable means. It comprises of mainly two modules:
 1. The first module deals with the storage and retrieval of videos from the Oracle 10g database. The video file is saved as a BLOB object. The front end comprises of a video viewing entity made using Java Media Framework.
 2. The second module is a speech recognition module, which transcribes a wave audio file to its corresponding text. It employs sphinx4 library for processing.

PUBLICATION

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- Matrix Scan: A switch aided screen traversal mechanism for motor disabled. MobiCASE'14, Austin, Texas, USA.
<http://dx.doi.org/10.4108/icst.mobicase.2014.257781>

2014

LEADERSHIP

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- Strategy planner at HBS society, NGO registered in Japan with its mission of educating women and starting awareness programs. **2011-2015**
 - Convener of Confluence'12, the Annual National Level Cultural Festival at NIT Kurukshetra. **2011-2012**
 - Secretary of the Photography club at NIT Kurukshetra. **2011-2012**
 - Organized photography workshops, national level cultural fests, star nights and events. **2009-2012**

ACTIVITIES & INTERESTS

Languages: Fluent in Hindi and English; Conversational Proficiency in Hindi and English

Activities:

- Placed at 2nd and 6th place in two separate global hackathons at Amazon HQ in Seattle.
- 2 Android Applications published on Google Play with 1000+ of downloads.
- Earned MD's Special Award for Excellence at Samsung R&D. **2013-2014**
- Received Spot Awards twice for achievement beyond expectations at Samsung R&D. **2014-2015**
- Member of photography Club at NIT Kurukshetra and Samsung R&D. **2008-2015**
- Worked as an active member of Shiksha, an Initiative to teach children of nearby slum areas and conducted few road rallies to spread awareness about basic hygiene and waste management. **2009-2012**

Interests: Photography, Coding, Traveling.