

Upendarreddy Mamidi

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EDUCATION

Master of Science, Electrical Engineering,
George Mason University, Fairfax, VA

Expected Graduation May 2015

- Member, [Cryptographic Engineering Research Group \(CERG\)](#), Volgenau School of Engineering

Bachelor of Technology, Electronics and Communication Engineering
Vellore Institute of Technology, Vellore, India

May 2013

- Cumulative GPA – 8.3/10
- Published a paper titled “**Anti collision and Auto retarding System along with Wiper Speed Control during Rains using MSP430 Microcontroller**”

TECHNICAL SKILLS

Programming Languages

C, Matlab

Hardware Languages

Assembly coding, Embedded C

Tools

MultiSim, Code Composer Studio,

Keil uVision4, GnuPG, Cryptool, Wireshark

AREAS OF INTEREST

- Hardware implementations of Authenticated Encryption algorithms
- Cyber-Physical System Security.

PROJECT WORK

- **An Analysis of BD+ and Other Major Schemes of DRM**(Analytical Project)
A detailed analysis of digital right copy protection techniques under the guidance of Dr.Kris Gaj during Fall 2013
- **Analysis of Authenticated Encryption**
A detailed analysis of operation of various Authenticated Encryption Ciphers under the guidance of Dr.Jens-Peter Kaps during Spring2013

CO-CURRICULAR ACTIVITIES

- Worked as a tutor for Physics and Mathematics for 1 year during the year 2012