

Mathura Madapusi Govindarajan

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ACADEMIC PROFILE

Year	Degree- Institution	Percentage/CGPA
2013	B.Tech, National Institute of Technology Karnataka, Surathkal	9.36
2009	AISSCE – CBSE, Sri Kumarans Children’s Home, Bangalore, India (XII Grade)	92.40%
2007	AISSCE – CBSE, Sri Kumarans Children’s Home, Bangalore, India (X Grade)	92.60%

- **Rank 4** out of 107 students in the graduating class in Electronics and Communication Engineering in National Institute of Technology Karnataka, Surathkal (NITK, Surathkal)
- **Presented a paper** on – Utility of Image Processing on MRI Scan for Early detection of Alzheimer’s Disease in the 3rd International Symposium (IES 2013) in Kumamoto University, Japan
- One of the 3 students selected to attend out of 107 to attend the Summer University Program in School of Business and Engineering HEIG-VD Switzerland on signal processing.
- **Rank 1** out of 107 students, in Electronics and Communication Engineering with the highest GPA after 2 semesters and was awarded the Certificate of Merit for Excellence in Academics in 2010.
- Runner-up in the prestigious **OPJEMS Scholarship Exam in 2009** based on overall performance – scholastic and non-scholastic.
- **Rank 24** in the state in the All India Engineering Entrance Examination (AIEEE-2009)
- **Rank 9** rank in the state in the All India Engineering Entrance Examination (AIEEE-2009) Architecture Exam.
- Placed in the **top 60** of the state in the Karnataka Regional Mathematics Olympiad (KRMO) in the year 2008.

EXPERIENCE

Goldman Sachs Pvt. Ltd. – Bangalore, India

June 2013 – Current

Technical Analyst, Private Wealth Management

- Member of Management Information Systems (MIS) team in the Private Wealth Management business. Responsible for developing front end tools and delivering data to the sales and management teams.
- Technologies used - web development languages (HTML, JavaScript) and proprietary languages built on C.

National Institute of Technology Karnataka – Surathkal, Mangalore, India

Aug 2012 – Apr 2013

Final Year Project, Digital Signal Processing Laboratory

- Researched on methods to enable the early detection of Alzheimer’s disease using MRI scans.
- Developed image processing algorithms prototyped in MATLAB® and implemented in OpenCV.

Goldman Sachs Pvt. Ltd. – Bangalore, India

May 2012 – July 2012

Summer Intern, Private Wealth Management

- Implemented increased data storage capacities using cloud storage and data retrieval through a web portal.
- Technologies used - web development languages (HTML, JavaScript)

School of Business and Engineering, Vaud (HEIG-VD) Switzerland

June 2011 – July 2011

Exchange Student, Digital Signal Processing Laboratory

- Studied the real time applications of image, sound and video processing algorithms. This was done in partnership with students from NITK and HEIG-VD.
- Developed and implemented algorithms in MATLAB® and Code Composer Studio v4.

- Analyzed the requirement and efficiency of the cache memory in streaming and non-streaming applications on a smart phone.
- Benchmarked using Pin tool and developed cache simulation in C.

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, HTML5, SQL, Perl, C, C++, Java, Assembly programming for ARM7 and MSP430
- **Technical Suites/Packages:** MATLAB®, Simulink, PSpice, Pin Tool, Xilinx, Inkscape, Aqua Data Studio, Eclipse IDE, Keil uVision, MS Office
- **Platforms :** Windows , Linux kernel

PROJECTS

Technical Projects

- Designed and implemented a cyclic contraption around a mechanical geared clock which was on display during Engineer-2012.
- Engineered a 24x16 LED screen spanning 2 floors of a building and programmed classic video games that could be played from half a kilometer away.

Design Projects

- Co-headed the stage and publicity design team for a theatre production supporting a children's education charity.
- Designed logo for the production unit of Seva-in-Action, an NGO operating out of Bangalore, Karnataka which focuses on the rehabilitation of persons with disabilities.

Videos

- Directed shadow puppet trailer for a theatre production supporting a children's education charity
- Conceptualized and produced Claymation video for publicity of Engineer, 2012– Technical fest of National Institute of Technology Karnataka, India.
- Part of 6 member team that created flipbook animation video for Engineer, 2011

EXTRACURRICULAR ACTIVITIES

- **Placement Coordinator** – Key member in recruiting new organizations and procuring job opportunities at NITK Surathkal.
- **Chairperson of the Computer Society of India (CSI NITK CHAPTER)** – Responsible for co-heading 90 students and conducting various technical events through the college.
- Won **fourth place in E-Pitch**, the B-Plan event held at **Engineer 2010**, a national level technical symposium organized by NITK, Surathkal.
- Placed in the **top 50 teams in Asia** in the **B-plan competition Euphoria** conducted by IIT-Bombay.
- **Head of creative committee** in Incident, 2013 (Cultural fest of NITK Surathkal, one of the largest in South India - www.incident.co.in)
- **Executive Member** of the **Artists' Forum** in NITK Surathkal - contributed towards many Art Exhibitions and Expos.