

Education

2009–2014 **Integrated Dual Degree, Indian Institute of Technology Roorkee.**
CGPA: 8.142/10
B.Tech. in Electronics and Communication
M.Tech. in Wireless Communication

Master's Thesis

Title Sparse Representation and its applications in Face Recognition
Supervisor Prof. Debashis Ghosh

Employment

Apr 2019– Present **Technical Lead, Myntra Designs Pvt Ltd, Bangalore, India.**

In my current role, I lead a team responsible for inventory systems, which is a part of the warehouse management team. I am involved in the technical design and architecture to support new business requirements and scale in terms of traffic volume and performance.

Mar 2017–Mar 2019 **Senior Software Engineer, Myntra Designs Pvt Ltd, Bangalore, India.**

I worked in the tech team for warehouse management. The main projects included last-mile consolidation and multi-tenancy to enable multiple tenants on the existing systems. I also led a team of four people to overhaul the design and architecture for the stock transfer workflow. I have acquired skills in system design and architecture, asynchronous frameworks, and team management.

Sep 2015–Jan 2017 **Co-Founder, Shoptane/AIANash, Bangalore, India.**

I worked in a team of three on creating a platform to improve online customer experience by predicting user intent. The initial work was on developing a smart shopping experience employing artificial intelligence. It later shifted to create a B2B artificial intelligence-driven analytics platform. I worked on convolutional neural networks, recurrent neural networks, encoder-decoder, Gaussian processes, and topic modeling and developed mathematical modules for the same.

Jul 2014–Sep 2015 **Software Engineer, Commonfloor, Bangalore, India.**

I was part of the revenue team in the real-estate vertical. I worked on lead sharing and pricing modules. I also developed a JavaScript plugin to track and analyze the impressions to find the ad performance on the product pages.

Internships

May–Jul 2013 **Extreme Blue Internship Program, IBM India Pvt Ltd, Bangalore, India.**

Timing analysis of digital circuits. Created core data models for GLSM that were modular and multi-threadable.
Exposure: C++, Timing analysis.

May–Jul 2012 **Microwave Tube R & D Center, Defence Research and Development Organisation, Bangalore, India.**

Analyzed the helix slow-wave structure (SWS) and comparison with HFSS results.
Exposure: MATLAB, TWA3 and SUNRAY 1-D.

Projects

- May–Dec 2011 **Echo - an e-book Search Engine**, *SDSLabs, Hobbies Club*, IIT Roorkee.
I worked on developing a search engine and recommendation engine for e-books.
Exposure: Scala, Apache Lucene, Apache Tika, Cassandra, RabbitMQ.
- May–Jul 2011 **Microwave Filters**, *Department of Electronics & Communication*, IIT Roorkee.
The aim of the project was to study design techniques for microwave filters by simulating some examples.
Exposure: Microwave filters, MATLAB, SIMULINK.
- Nov 2009–Jan 2010 **Steganography**, *Software Development Section, Hobbies Club*, IIT Roorkee.
The aim of the project was to hide text in an image and retrieve it back.
Exposure: Cryptography, MATLAB.

Open Source

- scikit-learn Contributed the following to scikit-learn, a Python library for machine learning:
- o Repeated cross-validators [PR #8120]
 - o Enhance the doc for coverage error [PR #7915]

Awards

- Mar 2012 First prize in departmental event *Analogic* during Cognizance (annual technical festival, IIT Roorkee)
- Feb 2012 First prize for Echo during Srishti (Hobbies Club annual festival, IIT Roorkee)
- Feb 2010 Second prize for Steganography during Srishti (Hobbies Club annual festival, IIT Roorkee)

Computer Skills

- Basic HTML, CSS, LUA
- Intermediate C, C++, L^AT_EX, Shell, PYTHON, scikit-learn, Torch
- Advanced JAVA, SCALA, Linux, MATLAB

Extra-Curricular

- 2010–2014 Member of SDSLabs [sdslabs.co] at IIT Roorkee
- 2011-2012 Coordinator of Linux Group at IIT Roorkee
- 2009-2010 Member of National Service Scheme at IIT Roorkee

Teaching Experience

- Spring 2014 **EC-362: Communication Systems Lab**, IIT Roorkee
Teaching Assistant with Prof. Debashis Ghosh