



# Meghdeep Ray

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## Work experience

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### Ordell Ugo

September 2013 — September 2014

Member of Technical Staff

Working in Image Processing using OpenCV.

### Ericsson India

June 2014 — July 2014

Intern

Worked on SLA Reporting for MBNL CR05 team utilizing Oracle Developer SQL.

Worked on Rhino Open Cloud Server Architecture.

Worked on basic Information Security.

### Ericsson India

June 2015 — July 2015

Intern

Worked on generating business intelligence by trend analysis in ticketing data.

## Education

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### Computer Science Engineering

August 2012 — Present

PES University Bangalore

Courses Taken :

1st Semester :

- Mathematics
- Programming in Java
- Chemistry
- Electronics Engineering
- Statics

2nd Semester :

- Mathematics
- Computing Technologies
- Physics
- Electrical Engineering
- Dynamics

3rd Semester :

- Discrete Mathematics
- Data Structures in Java
- Programming in C
- Computer Organization and Architecture
- Digital Design

4th Semester :

- Linear Algebra
- Analysis and Design of Algorithms
- Database Management Systems
- Introduction to Micro Processors
- Finite Automata and Formal Languages

5th Semester :

- Computer Networks - I
- Operating Systems
- Compiler Design
- Principles of Programming Languages
- Python Application Programming

6th Semester :

- Computer Networks - II
- Unix System Programming
- Web Technologies
- Software Engineering
- Advanced C++
- Advanced Algorithms

7th Semester :

- Web Technologies 2 : Rich Web Applications
- Object Oriented Modelling and Design
- System Modelling and Simulation
- Big Data
- Natural Language Processing

## Experiences

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Since joining college I have participated extensively in hackathons :

I have attended the following hackathons over the last one and a half years :

1. PESIT Hash Code Hackathon - Built a virtual classroom collaboration platform
2. PESIT Ayana Hackathon - Built an automated attendance system
3. Nokia Idea Hackathon - An application to generate a live disease heatmap for your area using open source medical data regarding disease outbreaks
4. Google AdMob Hackathon - Travel application
5. Hack59 - A women's safety app
6. PESSE inGenius Hackathon 2014 - HasH GaG App [<https://www.bunkr.me/meghdeeppray/hashgag-stable>]
7. IBM Build with Watson Hackathon 2015 - Using Watson's Machine Learning API to generate personalized lecture notes from audio files.
8. Organized PESIT Ayana Hackathon 2015 - Built the network to provide users with internet.
9. JP Morgan Code for Good 2015 - Worked on making a collaboration platform for Dream School Foundation.

As a part of the Cloud Computing and Big Data Laboratory of PESIT, I have completed a team project on Dynamic Firewalls where my role was to identify packet header attributes whose anomalous behavior can be used to identify an attack. I also worked on a project that aimed to parallelize Hadoop tasks on a GPU.

As part of Ordell Ugo completed a project on image recognition using OpenCV libraries to identify littering in areas under surveillance.

Additionally I have attended various seminars on coding and computer technologies. I attended :

1. Pycon India 2013
2. Cloud Computing Workshop
3. MIT Discotech on Counter Surveillance Technologies
4. NNSC [ National Networking Security Conference ]

Was an organizer for the PESIT Ayana 2014 Hackathon.

## Skills

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Proficiency in :

- Python
- Django
- Java
- ANSI C
- C++
- Oracle Developer SQL

## Interests

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Big Data Analytics  
Artificial Intelligence  
Machine Learning Algorithms  
Research

## References

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References available upon request.