

# Asutosh Palai

B.Tech. Computer Science and Engineering  
UG(III Year II Semester)  
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Registration No: B.Tech./CSE/14114019/2017

Indian Institute of  
Technology  
Roorkee



## Area of Interest

Programming Languages, Computer Security, System Software, Machine Learning

## Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2016	B.Tech. 3rd Year	Indian Institute of Technology, Roorkee	8.804
2014	Twelfth	Central Board of Secondary Education	97.8 %
2012	Tenth	Indian Certificate of Secondary Education	95.4 %

## Internships

**Backend Developer** | Razorpay Software Private Limited 1 month  
• Backend web development in PHP and minor dev ops work involving Ansible.

**Student Developer** | Google Summer of Code 3 months  
• Development of plugin system for Bundler, the most popular package manager for Ruby under Ruby organisation.

## Projects

**Codevillage** | SDSLabs, IIT Roorkee 4 months  
• An online sport programming platform with custom Online Judge.  
• It hosts various coding competitions and practice sessions.  
• I am involved with backend development and management and integration of our Online Judge.

**Hubble** | SDSLabs, IIT Roorkee 2 months  
• An online link sharing and discussion platform targeted at IIT Roorkee students.  
• Writing in PHP (backend), it uses modern web technologies.

**Pythia** | Operating System 2 months  
• An operating system from scratch with it's own boot-loader.  
• It has a basic working shell, portable memory management system and other necessary drivers.

**Bumblebee** | Quikr Hackathon 2 days  
• It was developed during Quiker Hackathon.  
• It is a web service where people can post for helpers for household chores and also checkout the listings for the same.

**GeoCast** | code.fun.do Hackathon 24 hours  
• A Universal Windows Platform application which broadcasts live music to other application users.  
• This was our submission for Code.Fun.Do 2015 IIT Roorkee and we were runners-up. A Kinect-DJ was shown together with this application as a possible use-case.

**Harmonium** | Course Project 3 months  
• A music recommendation system, mainly build as a project for demonstrating Software Engineering practices. This suggests music from the indexed library depending upon vocal parameters of the person.

## Awards / Scholarships / Academic Achievements

1. Kishore Vaigyanik Protsahan Yojana (KVPY) Mentor
2. All India rank 638 and state rank 7 in JEE Advance.
3. Secured all India rank 336 and state rank 5 in JEE Mains.
4. State rank 2 in Senior Secondary Examination by CBSE.
5. Was among the top 0.1% students awarded by the CBSE for excellence in Mathematics and Physics in Senior Secondary.
6. First prize in Shristi (2016) Dynamic website category for developing Codevillage.
7. Second prize in Shristi (2016) standalone tools for developing captain for SDSLabs.
8. Selected for national level on-site Microsoft Build the Shield (2016) competition (ended at rank 11)
9. Selected for national level Microsoft Code.Fun.Do hackathon

## Skills

Computer languages Java, Ruby, C, C++, Python, PHP, Javascript, Lisp, Assembly  
Software Packages Git, Vim, Eclipse, Visual Studio  
Additional Courses Taken Coursera Machine Learning  
Languages Known English (SRW) , Hindi (SRW) , Oriya (SRW)

## Positions of Responsibility & Extra Curriculars

**Joint Secretary of Software Development Section, IIT Roorkee** 2015-present  
• Web Development, Network Applications, Managing UNIX Servers, Machine Learning

**Joint Secretary of WatchOut News Agency**

- Web Development, Speaking Skills, Group Discussions

2106-present

**School People Leader**

- Head of the School Cabinet

2011-2012

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**References****Sugata Gangopadhyay**

Associate Professor

Department of Computer Science and Engineering, Indian Institute of Technology Roorkee

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