

# Debabrata Choudhury

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## Education

### B.Tech in Computer Engineering

Bhubaneswar, Odisha India

INTERNATIONAL INSTITUTE OF INFORMATION AND TECHNOLOGY(IIT)

2016 - 2020

- CGPA: 7.28
- SGPA: 7.34

### Intermediate/+2 from ISC

Rourkela, Odisha

ISPAT ENGLISH MEDIUM SCHOOL

2014 - 2016

- Percentage: 88.2

### Matriculation from ICSE

Rourkela, Odisha

ISPAT ENGLISH MEDIUM SCHOOL

2014

- Percentage: 92.5

## Experience

### Network Bulls

Gurgaon Sec-14, Delhi

CCNA R & S TRAINING ON REAL LIFE SWITCHES AND ROUTERS PROVIDED BY NETWORK BULLS

June. 2017

- Learnt about different routing protocols like EIGRP, RIP, OSPF, BGP, etc. and switching techniques like VLAN, inter-VLAN routing, security issues with ACLs, Remote login techniques, etc.

### MindBox Trainings

Hyderabad

DEVOPS & AMAZON WEB SERVICES

May. 2018

- Learned about different Amazon Web Services components like EC2, VPC, Route53, SES, RDS, S3, CloudWatch, CloudFront
- Learned about DevOps tools like Git, Jenkins, Ansible, Docker, Nagios

## Projects

### Implementation of Private Cloud using Openstack

IIT Bhubaneswar

B. TECH UNDERGRADUATE

Aug. 2018 - Oct. 2018

- Implemented a development cloud using openstack
- Installation was done using Packstack installer(RDO project)
- It was an all-in-one installation and configuration of the private cloud in a system with 20GB ram and 40GB disk space with i7 6th Gen Processor with 2cores allotted
- The cloud was installed and configured in a VM running RedHat Linux

### Website Infrastructure in AWS with Wordpress and MySQL for Database

B.TECH UNDERGRADUATE

May. 2018 - July. 2018

- Created an infrastructure using VPC with both public and private subnets.
- Hosted the website in an EC2 machine with wordpress installed in public subnet, MySQL for database in private subnet.
- Used AWS ASG for scalability, LoadBalancers, Route 53 for DNS, SES for mailing, S3 bucket for storage, CloudWatch for monitoring, RDS for database, CloudFront for notifications.

### Performing Different Routing and Switching Protocols

B.TECH UNDERGRADUATE

May. 2017 - July. 2017

- Constructed an simulation project on working of different type of routing and switching protocols with the help of GNS3, Cisco Packet Tracer, WireShark.
- R & S Protocols: OSPF, RIP, Default, Static, BGP, EIGRP, VLAN, Inter-VLAN, ACL, NTP, DNS, DHCP.

### Linux from Scratch

B.TECH UNDERGRADUATE

Fall 2016

- Constructed a fully functional operating system running Linux kernel with udev and SysVinit, compiled and manually configured from source code.
- The operating system was constructed in a triple boot mode with Arch linux as the base system for compilation and installation.

## Seminars

## MEMBER

Nov. 2017

- Conducted a session on Linux
- Organised a Linux Installation Fest

## Hackathons & Events

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### GenHax Hackathon, Powered by Invincix

Invincix, Bhubaneswar

Aug. 2018

- Hackathon was based on three topics of the real life community problems which are Medical Emergency, Tourism, Waste Management

## Certifications

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2018	<b>AWS and DevOps Course Completion</b> , MindBox E-Learning Services	Online
2017	<b>Completion of Training in CCNA R&amp;S</b> , Network Bulls	Gurgaon, Haryana
2017	<b>Linux Foundation Certified System Administrator LFCSA v2.16</b> , Linux Academy	Online
2016	<b>Entrepreneurship Awareness Drive, Bhubaneswar</b> , Entrepreneurship Cell, IIT Kharagpur	Bhubaneswar

## Honors & Awards

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### NATIONAL

2018	<b>Winners</b> , GenHax Hackathon, powered by Invincix	BBSR, Odisha
2012	<b>7th Position</b> , Computer Society of India, Rourkela Chapter	Rourkela, Odisha

## Skills

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<b>Programming:</b>	JAVA, C, Ruby, Bash, LaTeX, Python, C++11, MySQL, Go
<b>Frameworks:</b>	Flask, Boost.Asio(C++11), Django, AWS-SDK
<b>Web:</b>	HTML5, CSS3, Wordpress
<b>Technologies:</b>	Wireshark, GNS3, Cisco Packet Tracer, Github, OpenStack, Terraform
<b>DevOps Tools:</b>	Git, AWS, Nagios, Jenkins, Docker, Chef, Apache, Ansible, Nginx
<b>Skills:</b>	Linux System Admin, DevOps, Network Admin