

# PRAGNYA SAHU

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## WORK EXPERIENCE

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*Research Associate(Dept.of Computer Science Engineering)* 06/2018 – present  
**Indian Institute of Technology, Kharagpur, India**

- Working on authentication protocols using Cryptographic algorithms(MD5, RSA, SHA256), Socket programming using C/C++ ,Python and OpenSSL.
- It is based on a Client-Server model.
- Using hashing techniques for authentication of messages.
- Learning- TCP/IP,SSL, Network security ,Different possible attacks and how to mitigate it.

*Member Technical* 07/2016 – 06/2018  
**ADP Private Limited, Hyderabad, India**

**Product:** Time and Labor Management

### Roles and Responsibility:

- Analyze the requirements and development.
- Coding in Java using MDF framework to create MDF component having fair idea of frameworks of other products.
- Created MDF component for the web pages. Used components with proper validation on web pages.
- Involvement in consuming the exposed web and ReST services and integrating front-end with middle layer and backend.
- Fixing defects in all phases of testing.
- Developed test automation scripts using Selenium (later in Cucumber) for removing redundancy in application.
- Worked on Gherkins-Cucumber for Behavioral Driven Development
- Took the ownership of a product/features independently.
- Participate in peer code reviews.
- Perform JUnit Testing and Integration Testing for the developed code.
- Trained by company in Java, MDF, C# using ASP.net, Selenium, SQL, Javascript, Gherkin/Cucumber.

**Student Intern** 05/2015 – 07/2015  
National Informatics Centre, Hyderabad, India

### Description:

Creating a Cloud environment using Openstack, Linux based cloud tool and providing Infrastructure-as-a service (IaaS).

## WORK EXPERIENCE

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### Aim of the project:

- To run any operating system using cloud from anywhere i.e. Infrastructure-as-a-Service IaaS (Providing infrastructure to anyone, anytime ,anywhere)
- No tedious installation of OS on the host.
- At a time multiple Operating Systems can be provided using proper virtualization.
- Cloud operating system that controls large pools of compute, storage, and networking resources throughout a datacenter, all managed through a dashboard that gives administrators control .
- The tenants can be given a username and a password to use the OS and will be charged accordingly.

## EDUCATION

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**Information Technology** 08/2012 – 05/2016  
College of Engineering and Technology(Govt.), Bhubaneswar, India

**CGPA** 8.62

**Intermediate** 06/2010 – 04/2012  
Narayana Junior College, Hyderabad, India

**Percentage:**94.2%

**Matriculation** 05/2010  
Kendriya Vidyalaya No.1, Uppal, Hyderabad, India

**Percentage:**93.1%

## SKILLS

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### Languages

C, C++  
Core Java  
SQL, MySQL  
Python  
Javascript

### Database

Oracle 10g/11g

### Operating Systems

Windows, Linux