

## Aayush Kumar

### Address for Correspondence:

University of Petroleum and Energy Studies  
Energy Acres PO Bidholi via Prem Nagar  
Dehradun-248007 (Uttarakhand), India

**Phone** : +91 7906923296

**Email** : [www.aayuhkumar@gmail.com](mailto:www.aayuhkumar@gmail.com)



### CAREER OBJECTIVE

I am a hardworking and dedicated student always ready to learn new technologies. Looking for job opportunities in Computer Science fields.

### ACADEMIC BACKGROUND

Year(s)	Qualification – Degree / Diploma / Certificate	Board/University	College / Institute/ University	Percentage / CGPA
2018-2022	B.Tech (Hons.) CSE (DevOps)(currently pursuing)	University of Petroleum and Energy Studies,Dehradun	University of Petroleum and Energy Studies, Dehradun	7.68
2018	Class 12	ISC	Carman Residential & Day School	82
2016	Class 10	ICSE	Carman Residential & Day School	84

## Trainings:

### TRAININGS & PROJECTS UNDERTAKEN

**Institution:** Linux World Informatics Private Limited **Duration:** 11<sup>th</sup>-May 2020- 20<sup>th</sup> June2020  
**Title:** Hybrid MultiCloud Training  
**Mentor:** Mr. Vimal Daga  
**Description:** 80 hours training that covers Terraform | Kubernetes | AWS Cloud | OpenStack Service | EKS | Magnum | Docker.

**Institution:** Linux World Informatics Private Limited **Duration:** 24<sup>th</sup>- July 2020- 4<sup>th</sup> Sept 2020  
**Title:** Red Hat Enterprise Linux Automation with Ansible ( RH294)  
**Mentor:** Mr. Vimal Daga  
**Description:** A 32 hour training that covers Provisioning and Configuration Management of instances in Public cloud - AWS and on premises Infrastructure As Code using Ansible dynamic inventory with optimised playbook under the Mentorship of Mr. Vimal Daga.

## Projects:

- Project Title:** Development of Load Balancing System Scheduling Algorithms  
**Mentor:** Dr Ved Prakash Bhardwaj  
**Description:** Creating a load balancer using Socket Programming in C/C++ and implementing on top of EC2 instances in AWS.
- Project Title:** File Sharing Web Application  
**Description:** It is a File sharing Web Application created using the ReactJS in the frontend and the serverless backend which is deployed in the AWS cloud. It is like the Firefox send. You upload the files which are encrypted and a link is created from which you can download the files. User can set the number of times the files can be downloaded. The whole application can be deployed using the terraform.
- Project Title:** Chat Application  
**Description:** It is a chat application created using the ReactJS in the frontend and the nodejs in the backend. The full stack is deployed in the Heroku.
- Project Title:** Authentication and Authorization System for Serverless  
**Description:** This project provides the Authentication and Authorization for serverless applications. Authentication is done through Google Login or Username and Password. For authorization i am using custom lambda authorizer which allow access to the back end lambda function only if the user have the valid access token. I am using JWT Tokens for access tokens and httpOnly cookie for refresh token. The whole system can be deployed using the terraform.
- Project Title:** Food Ordering Application for Universities. **(On-going)**.  
**Mentor:** Dr Hitesh Kumar Sharma  
**Description:** Mobile application that will minimize the food ordering time, eliminate the receipt based System, and eventually enhance the user experience.

## COMPUTER SKILLS

- **Softwares and Tools :** Git, Github, Jenkins, Docker, Kubernetes, Ansible, Terraform, AWS, Selenium, Serverless ,HTML , CSS , Reactjs, Nodejs , GraphQL, Firebase.
- **Languages :** C, Java, C++, Java Script.
- **Operating Systems :** Windows, Linux(redhat 8).

**PERSONAL DETAILS**

Date of Birth	:	31-08-2000
Father's Name	:	Pradeep Kumar
Mother's Name	:	Kiran Devi
Category	:	General
Gender	:	Male
Nationality	:	India
Home Town	:	Dehradun
Permanent Address	:	Vasant Khunj Lane no 3, Shyampur, Premnagar, Dehradun, Uttarakhand
Phone No.	:	7906923296
Languages Known	:	Hindi, English
Mobility	:	Anywhere in India

I declare that the details above are correct and true to the best of my knowledge.

**Aayush Kumar**