

# Pranjal Jain

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## Education

### University Of Petroleum And Energy Studies

B.TECH IN COMPUTER SCIENCE WITH SPECIALIZATION IN CLOUD COMPUTING AND VIRTUALIZATION TECHNOLOGY

GPA: 7.0

Dehradun, India

July 2015 – May 2019

## Experience

### To The New

DEVOPS ENGINEER INTERN

Noida

May 2018 – July 2018

- Deployment Setup of Aavas Microservice architecture based application on Kubernetes cluster with CI/CD, Centralised logging and monitoring.
- Development of Cloud Automation Portal application which can provision container deployment for different tech stacks with automated configuration setup and integrated source code management from Git and provide application endpoints.
- Dockerized complex applications and made custom docker images for Varnish, Redis, MongoDB, MySQL, PHP-Nginx.
- Technologies Used: Python, AWS, Docker, Kubernetes, Ansible, Jenkins, Linux, ELK, Javascript, MySQL, MongoDB, Nginx

### Eatopedia

CO-FOUNDER AND CTO

Dehradun

Feb 2017 – Dec 2017

- Web and Mobile Application Development
- Chatbot Development on FB Messenger Bot Platform
- Server Management and Deployment (AWS)
- Business Development
- Technologies Used: PHP, AWS, JavaScript, FB Graph API, MYSQL, DialogFlow, HTML, CSS

### Perfectice Edventures

BACKEND DEVELOPER

Dec 2017 – March 2018

- MongoDB Query Optimizaton and worked on aggregation queries.
- Worked on REST API
- Technologies Used : Node.JS, MongoDB

### Bodhiminds Inc.

WEB AND CHATBOT DEVELOPER INTERN

Jun 2017 – August 2017

- Bult a wordpress plugin for chatbot Integration
- Development of Chatbot
- Deployment of chatbot on FB Messenger Bot Platform
- Technologies Used: Javascript, PHP, MYSQL, Wordpress, FB Graph API

## Technical Skills

**Programming Languages:** C, C++, Python, PHP, JavaScript

**Tools/Framework:** Git, Docker, Kubernetes, Ansible, MYSQL, MongoDB, Node.JS, IndexedDB

**Strongest Areas:** Databases, AWS, Algorithms, Progressive Wep Apps, Docker, Linux, Computer Networking And Security

## Selected Projects And Trainings

### Vehicle Routing Problem (College Minor Project)

C, Genetic Algorithms, NP-Hard,  
Data Structures

DEVELOPMENT AND IMPLEMENTATION OF AN OPTIMIZATION ALGORITHM TO SOLVE VEHICLE ROUTING PROBLEM WITH TIME WINDOWS BY HYBRID APPROACH ( CLARK- WRIGHT THEN GENETIC ALGORITHMS) AND PERFORMANCE COMPARISON OF INDIVIDUAL CLARK-WRIGHT (HEURISTIC), GENETIC ALGORITHM (META-HEURISTIC) WITH THE HYBRIDISATION ALGORITHM

<https://github.com/pranjaljn97/Vehicle-Routing-Problem-by-Clark-Wright-Algorithm>

### Development of NO-SQL Database Engine

C++, JSON, BSON, B-Tree, Databases

BUILDING A NO-SQL DATABASE ENGINE WHICH CAN PERFORM BASIC CRUD OPERATIONS AS WELL AS SORTING, SEARCHING AND STORES DATA IN FORM OF DOCUMENT-ORIENTED BSON.

## Fluid ( Open Source Organization GSOC 18 ) - AChecker

ACHECKER IS AN ONLINE ACCESSIBILITY VALIDATOR TOOL WHICH CHECKS THE COMPATIBILITY OF A WEBPAGE IN DIFFERENT BROWSERS AND PROVIDE THE CODE REPORT FOR ENHANCEMENT. I SOLVED THE BUGS AND ENHANCED THE TOOL BY SUBMITTING SUCCESSFUL PULL REQUESTS TO PROJECT'S REPOSITORY.

HTML, CSS, JavaScript, PHP,  
Node.JS, MySQL

[https://github.com/inclusive-  
design/AChecker](https://github.com/inclusive-design/AChecker)

## High Performance Analytics

THIS WORKSHOP IS FOCUSED ON ADVANCED COMPUTING TECHNOLOGIES LIKE PARALLEL COMPUTING AND GPU COMPUTING WITH THE HELP OF OPEN POWER. WE EXECUTED CUDA PROGRAMS ON MULTIPLE GPU PROCESSORS IN THIS WORKSHOP AND ANALYSED THE PERFORMANCE ENHANCEMENT OVER CPU.

GPU Computing, CUDA, MPI

## Achievements And Awards

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Feb 2017	<b>Best Startup</b> , Recognized as Best Startup in Google Startup Weekend Dehradun 2017.
2017-2018	<b>Technical Head</b> , Appointed as Technical Head and organised multiple 48-Hours hackathons and events in order to provide a platform for young students to showcase their skills.
May 2015	<b>Scholarship</b> , Received Scholarship by Madhya Pradesh State Government for 12th Board Merit.
March 2016	<b>Winner</b> , Won the coding competition Code Hustle in college Annual Tech-Fest.
Feb 2018	<b>Selected for Google Mobile-Web Specialist</b> , Got scholarship to pursue Google Mobile-Web Specialist Course on Udacity under Google India Challenge.
Jan 2018	<b>Open Source Contributor</b> , Active Contributor to Open source Organizations Fluid's Project AChecker.

Google Startup  
Weekend, TechStars  
UPES-CSI (Computer Society  
Of India)  
MP State  
Government  
UPES- Ignite 2016  
Udacity  
Fluid