

# 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

Dehradun, India

July 2015 – May 2019

## Experience

### TRM Labs

Remote

SENIOR SOFTWARE ENGINEER

September 2024 – Present

- Designed and deployed high-throughput batch and streaming data pipelines to ingest and process blockchain data, ensuring low-latency and scalable integration for Aptos, ZKSync, and Hyperliquid
- Built an AI-driven data acquisition platform that automated scraping, normalization, and integration of multi-source blockchain intelligence data on top of petabyte scale data platform
- Technologies Used: BigQuery, GCP, Airflow, Spark, Dataflow, Polar, Python, LLMs

### Postman

Bengaluru

ENGINEERING MANAGER

April 2023 – April 2024

- Led multi-region data residency initiative for Postman data platform across the org
- Delivered data governance platform with security and legal teams for data compliance
- Scaled up team and built processes for engineering maturity and efficiency
- Technologies Used: Redshift, AWS, dbt, Elastic Search, Python, Airflow

TECHNICAL LEAD - DATA

Nov 2020 – March 2023

- Built event lifecycle management and governance for experimentation platform
- Platformized data transformation layer to boost developer productivity using CI/CD better practices and testing framework
- Designed and developed data layer for search, reporting and observability features
- Built multi tenant data lakehouse architecture with data sharing for various workloads

DATA ENGINEER - PLATFORM

Jun 2019 – Nov 2020

- Designed and developed data integration platform called Fulcrum. Scaled it to 60+ integrations and 20 contributors
- Worked on micro-services log analytics Infrastructure for observability
- Led data democratization initiative in the organization and helped various teams to leverage data for sales, marketing and growth

PLATFORM ENGINEER INTERN

Jan 2019 – May 2019

- Built near real-time data pipeline (EL) from MYSQL to Redshift
- Contributed in building clientevents interface for product instrumentation

### To The New

Noida

DEVOPS ENGINEER INTERN

May 2018 – July 2018

- Deployment Setup of Aavas Microservice architecture based application on Kubernetes cluster with CI/CD, Centralized 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
- Technologies Used: Python, AWS, Docker, Kubernetes, Ansible, Jenkins, Linux, ELK, Javascript, MySQL, MongoDB, Nginx

### Eatopedia

Dehradun

CO-FOUNDER

Nov 2016 – Dec 2017

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

## Technical Skills

**Programming Languages:** Python, Javascript, PHP, Java

**Tools/Framework:** Spark, Docker, Kubernetes, dbt, MYSQL, MongoDB, Node.JS, Clickhouse, Airflow/Prefect

**Strongest Areas:** Databases and data warehousing, AWS, GCP, Algorithms, System Design, Networking

## Selected Projects And Trainings

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### Vehicle Routing Problem (College Minor Project)

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

C, Genetic Algorithms, NP-Hard,  
Data Structures

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

### Development of NO-SQL Database Engine

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.

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

### 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>

## Achievements And Awards

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October 2023	<b>Airbyte Hackathon Winner</b> , Won Airbyte hackathon for open-source connector improvements contribution during Hacktoberfest 2023	Airbyte
Feb 2017	<b>Best Startup</b> , Recognized as Best Startup in Google Startup Weekend Dehradun 2017.	Google Startup Weekend, TechStars
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.	UPES-CSI ( Computer Socety Of India)
May 2015	<b>Scholarship</b> , Received Scholarship by Madhya Pradesh State Government for 12th Board Merit.	MP State Government
March 2016	<b>Winner</b> , Won the coding competition Code Hustle in college Annual Tech-Fest.	UPES- Ignite 2016
Jan 2018	<b>Open Source Contributor</b> , Active Contributor to Open source Orginazations Fluid's Project AChecker.	Fluid
Dec'21	<b>Insurjo'21</b> , Attended and passed cohort based product management course. Got good understanding of product discovery and development lifecycle	The Product Folks