

AAKARSHIT SRIVASTAVA

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Education

Pranveer Singh Institute of Technology, Kanpur

B.Tech in Computer Science & Engineering

2021 - 2025

7.3/10 CGPA

Work Experience

PSIT Research Department

Machine Learning Research Intern

January 2024 – March 2024

Remote

- **Reinforcement Learning** used: **CloudSim** for Resource Energy Utilization Optimization, **Cloud Computing Algorithms and Data Analysis** for VM resource computation.
- Got mentorship of senior engineers and Professors from **Industry and National Institutes** and, I learned real world software development and learned about scalability.

British Airways

Virtual Internship

December 2023 – February 2024

Work From Home

- **Web Scraping** used: **Data Collection** for Customer reviews, **Data Cleaning Analysis** for **Machine Learning Models** to gain insights.
- It was incredibly useful to understand what it might be like to participate on a Data Science team at British Airways. I worked on a project where I analysed customer insights and built predictive model to understand factors that influence buying behaviour. I practiced my data analytics skills using a Jupyter Notebook and built my PowerPoint and communication skills by presenting insights a real-world context.

Suvidha Inc

Machine Learning Intern

September 2023 – November 2023

Work From Home

- **Day to Day** job: **Data Analysis** for Organisation database and provide a Visual Scraped Data, **Machine Learning models** for **customer** data predictions

Projects

Data Analyzer:

[Source Code](#)

- The Data Analyzer software is a versatile tool designed to facilitate predictive analysis in medical contexts, image recognition tasks, and market price forecasting. To operate the software, users are required to ensure the installation of all requisite libraries and kernels, along with the availability of pertinent datasets.

NewsAPI:

[Source Code](#)

- This project aims to develop a cross-platform mobile application using Flutter that leverages the capabilities of the News API to provide users with real-time news updates. The Flutter framework allows for seamless development across iOS and Android platforms

British Airways:

[Source Code](#)

- Data Manipulation, Data Science, Data Visualisation, Machine Learning, PowerPoint, Python Web Scraping.

CloudSim:

[Source Code](#)

- Implemented and Integrated Machine Learning to the cloud simulation Framework to get optimum results

Technical Skills

Languages: Python, Java, C++, C, Dart, R, JavaScript

Backend: Django, Node.js, Express.js, Flask

Frontend: WordPress, React, TailwindCSS, HTML, CSS, Bootstrap

Clouds & Databases: AWS, Azure, PostgreSQL, MongoDB

Web Technologies: Kubernetes, Docker, Socket.IO, Redis

Developer Tools: Postman, VS Code, GitHub, Xcode

Algorithmic Competitions/Achievements

- Solved **400+** DSA problems from **Leetcode Problemset**, building problem solving skills.
- Rated **6 stars** in Problem Solving on [HackerRank](#) and [HackerEarth](#) platform.
- **Certifications:** [Click here](#)

EDUCATION

B.Tech, Computer Science & Engineering

Pranveer Singh Institute Of Technology, Kanpur

2021 - 2025

CGPA: 7.80/10

Senior Secondary (XII), Science

Dr. Virendra Swarup Education Centre

(ISC board)

Year of completion: 2021

Percentage: 91.00%

Secondary (X)

Dr. Virendra Swarup Education Centre

(ICSE board)

Year of completion: 2019

Percentage: 89.00%

WORK EXPERIENCE

AWS Cloud Management

AWS, Virtual

Internship • Feb 2024 - Mar 2024 (2 months)

Proposed scalable hosting with Elastic Beanstalk for client's growth and slow response. Costs based on usage, ensuring efficiency and flexibility.

Data Analytics

Accenture, Virtual

Internship • Feb 2024 - Apr 2024 (2 months)

Engaged in a simulation as a Data Analyst at Accenture, advising a social media client. Analyzed 7 datasets, extracting content trends. Presented insights via PowerPoint and video for client and internal teams.

Web Scraping & Data Visualization

British Airways, Virtual


Internship • Dec 2023 - Feb 2024 (2 months)

Participated in a British Airways job simulation, analyzing customer data & building predictive models. Excited to apply skills in a Data Science role.

Machine Learning

Phoenix Inc-Internshala, Virtual

Internship • Sep 2022 - Nov 2022 (2 months)

	I was the back-end developer for optimizing accuracy of Linear machine learning model data driven.
POSITIONS OF RESPONSIBILITY	<p>Research Head of institute managing Three teams in domain of Machine Learning, Cloud and Blockchain. Worked on arduino chips: Project-Blind man Glasses (proximity sensors and nano chipsets), SelfBalance Bike(gyro sensors and spare parts).</p>
TRAININGS	<p> Top performer (Internship & Job Preparation Training)</p> <p>Verified and added by Internshala Trainings</p> <p>Internship & Job Preparation Internshala Trainings, Online Sep 2023 - Oct 2023 Successfully completed a 4 weeks online certified training on Internship & Job Preparation. The training consisted of Getting Started with the Job Hunt, Building up your Gears, Going at the Front, and The Final Project modules. I scored 95% in the final assessment and was a top performer in the training.</p> <p>Natural Language Processing Internshala Trainings, Online Aug 2023 - Sep 2023 Successfully completed a 6 weeks online certified training on Natural Language Processing. The training consisted of Getting Started with NLP, Text Pre-processing and Information Extraction, Information Retrieval and Ranked Retrieval, Language Modeling, Feature Engineering for Text Data, Text classification, and Final Project modules. In the final assessment, I scored 78% marks.</p> <p>Natural Language Processing Internshala Trainings, Online Aug 2023 - Sep 2023</p>
PROJECTS	<p>British Airways Dec 2023 - Feb 2024 https://github.com/ArkS0001/British_Airways Virtual Internship of Data Cleaning and Prediction based Data of customers</p> <p>NewsAPI Sep 2023 - Oct 2023 Flutter based Android and iOS supported application</p> <p>Data Analyzer Sep 2022 - Dec 2022</p>

<https://drive.google.com/drive/folders/1GvGUwEFs8ebKD3ycHzIWui5HELhGq5Ix?usp=sharing>

A Simple Machine Learning project which works on training a neural network,optimizing the network and predicting close to real world data with a user interface via a Web App

Aaya-Voice Assistant Web Application

Oct 2022 - Oct 2022

A non complex algorithm working on Microsoft voice recognitional ai model with google text to speech function (gTTS),built for user assistance,can talk humanly and respond to time,weather or any data provided given accessed to it.

Energy Utilization and Dynamic VM Allocation Cloud environment

Feb 2024 - Present

<https://github.com/ArkS0001/CloudSim>

Research based simulation for energy minimization of Cloud processing servers using reinforcement learning algorithms.

SKILLS

Python

Advanced

Machine Learning

Intermediate

C Programming

Advanced

Cloud Computing

Advanced

English Proficiency (Written)

Advanced

Data Analytics

Intermediate

Dart

Intermediate

Data Structures

Advanced

Git Bash

Advanced

Artificial Intelligence

Advanced

Java

Advanced

C++ Programming

Intermediate

English Proficiency (Spoken)

Advanced

Blogging

Intermediate

SQL

Beginner

Flutter

Beginner

Git

Advanced

GitHub

Advanced

Node.js

Beginner

Data Science

Intermediate

Neural Networks

Beginner

Bootstrap

Advanced

Computer Vision

Beginner

Search Engine Marketing (SEM)

Beginner

iOS

Beginner

WordPress

Intermediate

CSS

Advanced

UI & UX Design

Intermediate

Power BI

Intermediate

Statutory compliances

Beginner

Elasticsearch

Beginner

Database Testing

Intermediate

Natural Language Processing (NLP)

Intermediate

Deep Learning

Advanced

Database Management System (DBMS)

Beginner

Search Engine Optimization (SEO)

Beginner

Android

Beginner

Windows Mobile Application Development

Beginner

HTML

Advanced

JavaScript

Advanced

Advanced Excel

Beginner

Statistical Modeling

Beginner

R Programming

Beginner

MongoDB

Beginner

WORK SAMPLES

Other portfolio link<https://drive.google.com/drive/folders/1QvobIPAHMSi4EfK-uRRpUGnotgDzs2Ro?usp=sharing>**GitHub profile**<https://github.com/ArkS0001>

ADDITIONAL DETAILS

Content Creation-

<https://www.youtube.com/channel/UCOWUT->

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