

# RACHIT PLAH

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## SCHOOLING & EDUCATION

### Master's in Quantitative Finance and Risk Management

IIT Kanpur 2023-2024

### B.E. in Computer Science and Engineering

Chitkara University 2016-2020

CGPA- 9.21, GPA- 3.74

## WORK EXPERIENCE

### R&D Data Scientist- 2 at HP Inc [May 2023- Present] (RCB Analytics and Advance Computing Lab)

I work with a cross-functional team of engineers, researchers, and business analysts to design, implement and test **data-driven models and algorithms** that optimize performance, efficiency and **profitability**.

Developed and deployed **quantitative models** to price derivatives, assess risk

Collaborated with data scientists to prepare and clean data for quantitative models.

### Software Engineer at HP Inc [Aug 20- May 23] (Data and Analytics, COE Infrastructure and Automation)

I built MLOps and Data pipelines infrastructure using Databricks, AWS and Azure for ingesting subscription data from variety of sources and using **ML models to predict** and **calculate** the monthly pay-outs

I designed a simple platform for business, with services like **forecasting** with **regression**, **flow pipelines** to support AI Lifecycle, NLU chatbot with **prebuilt models** and custom integration via Jupyter notebooks. Quick model training via cloud and on-prem infra.

I indulged in constant feedback and **research to design**, build **NLU** and NLP aided chatbots and flows. Faster in bot self service solutions, like fetching bitlocker key from AD. Providing accurate results of Service catalogs and articles with **tuned AI Search**.

## SKILLS & TOOLS

Quantitative Analytics

Python

Deep Learning

BigData

AWS

Statistical Modelling

Pattern Recognition

Core Java

C++

K8s

## PUBLICATIONS AND PROJECTS

### Goal Oriented Gen AI Pipeline[Upcoming Pub]

We built a business-oriented **gen AI** model to predict a ML pipeline for serving fast ML Solutions across different business organisation within the company.

### Chalkpad App

I built an **android app** for **university erp portal**. For this UI and functions were written in **Java, xml** and some **javascript APIs** were also build.

### Abhivadin Application

I developed a **language translation portal** that helps to **effectively translate** with **manner of speech** and **local region** in consideration.

**Tech used:** Flutter, GCP/AWS APIs, Empath API etc.

## TRAINING & CERTIFICATIONS

### AWS Certified Machine Learning Specialty

### AWS Certified Solutions Architect Associate

### Quickheal Cybersecurity Training

## HONOUR & ACHIEVEMENTS

### Competed in Shree Ram Trading Challenge 2023

**Won** Elite 8, Elite 16 and Can We Automate challenges.

**Recognised and awarded** for work done on projects like **NLU Chatbots**, **automating building AWS Portal** and so on.