Shivam Choubey

📞 +91-9621732255 • ✉ sc1010101010@gmail.com

Academic Qualifications

Indian Institute of Technology, Kanpur   **Kanpur, India**
M.Tech., Overall GPA 9.14/10   *2016–2017*
Indian Institute of Technology, Kanpur   **Kanpur, India**
B.Tech., Overall GPA 8.2/10   *2012–2016*
Macro Vision Academy   **Burhanpur, India**
Class XII, CBSE, Aggregate Percentage 92.6/100   *2011–2012*

Technical skills

Programming Skills: Java, Python, Oracle, SQL
Software/Framework : Docker, PySpark, Hive, Elasticsearch, flask, AWS S3, AWS SNS, AWS SQS Queue

Previous Employment

DP World Hyderabad, India
Senior Software Engineer   *Mar.2020- Present*
Supply Chain Optimization:
o Building a service using greedy algorithm and sales prediction via time-series forecasting to minimize operation cost
o Deployed the service as a REST API with Python and Flask on Microsoft Azure Cloud

Oracle India Pvt Limited Hyderabad, India
Application Developer Engineer   *Jul.2017- Mar.2020*
Hyperloop (Data transfer Service)
o Designed and developed a generic service for transferring data in between platforms to reduce the cost of data storage
o Worked on Python, Java, Oracle, S3, ELK, Rest APIs and AWS SNS, SQS technologies and used micro-service architecture based on event driven system for designing and developing the service
o Service is handling 1200 jobs weekly on 8 platforms and saving 50000$ of cost yearly by using the internal storage
Match Extract Service:
o Built and deployed an end to end service to extract the offline audience data and deliver it to partners.
o Used Luigi pipeline for the work flow management and deployed using docker in Apache MESOS with support of Singularity UI, Worked on AWS, HIVE,S3 and Python during the development of service.
o Improved match rate by 6% for partners by enhancing the matching parameter and removing manual intervention
Data Ingest Service:
o Developed a service to pre-process and ingest the intake data from multiple partners
o Operated on JAVA, SPARK, Amazon SWF to setup the process of ingest for partners

General Electric (John F. Welch Technology Centre, Bangalore)
Summer Intern   *May.2015-Jul.2015*
1-D Linear Regression model for Diesel Engine
o Deployed 1-D linear regression technique resulting in reduced complexity and less calibration time within 5 percentage permissible error

Academic Projects

Data Mining Project :
'The Churn Game: Develop models for predicting customer churn using R'   *Jan.2016-Apr.2016*
o Developed a model on R which used Decision Tree, Bayesian Model, Neural Network, Linear Regression techniques
o Accuracy of the model on validation data which has significantly low churning rate is around 70%
Master Thesis :
Numerical Simulation of Unsteady Natural Convection   *May.2016-Jul.2017*
o Used Numerical and computational methods to solve Navier-Stokes Equation in Fortran and C
o Reduced the run time of simulation by utilizing Open-MP and MPI parallization in code

Position Of Responsibilities

Vice Captain, Institute Basketball Team,   *2014-2015 IIT Kanpur*
o Spearheaded operations by recruiting and grooming a team of 18 players
o Part of Inter IIT contingent to win General Championship in 2014 (IIT Bombay)and 2013(IIT Guwahati)