Shivam Choubey

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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: Python, Java, Oracle, shell
Software/Framework : PySpark, Hive, Docker, Packer, Gradle, flask, AWS S3, AWS SNS, AWS SQS

Previous Employment

DP World Hyderabad, India
Senior Software Engineer   *Mar.2020- Present*
Tesco Supply Chain Optimization:
- Building a service in Python using greedy algorithm and sales prediction via time-series forecasting to minimize cost

Oracle India Pvt Limited Hyderabad, India
Application Developer Engineer   *Jul.2017- Mar.2020*
Hyperloop (Data transfer Service)
- Designed and developed a generic service for transferring data in between platforms to reduce the cost of data storage
- Worked on Python (flask framework), Java, Oracle, S3, Rest APIs and AWS SNS, SQS technologies and used Singleton and Builder design pattern for designing and developing the service
- Service is handling 1200 jobs weekly on 8 platforms and saving 50000$ of cost yearly by using the internal storage

Match Extract Service:
- Built and deployed an end to end service to extract the offline audience data and deliver it to partners.
- Used Luigi pipeline for the work flow management and deployed using docker in Apache MESOS with support of Singularity UI, Worked on AWS, HIVE,S3and Python during the development of service.
- Improved match rate by 6% for partners by enhancing the matching parameter and removing manual intervention

Data Ingest Service:
- Developed a service to pre-process and ingest the intake data from multiple partners
- 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
- Deployed 1-D linear regression technique resulting in reduced complexity and less calibration time
- Regression model reduced time for calibration to half; 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*
- Developed a model on R which used Decision Tree, Bayesian Model, Neural Network, Linear Regression techniques
- 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*
- Used Numerical and computational methods to solve Navier-Stokes Equation
- 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*
- Spearheaded operations by recruiting and grooming a team of 18 players
- Part of Inter IIT contingent to win General Championship in 2014 (IIT Bombay)and 2013(IIT Guwahati)