

ASHU CHHABRA

Current Designation: System Engineer

Total Experience: 3.2 years

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Profile Summary:

Passionate Machine Learning Engineer with 3+ years of experience in Python development, Data Analysis, ML Model Development and Deployment. An effective communicator with leadership & planning skills and that can build and maintain relation across and beyond organization.

Work Experience:

Machine Learning Engineer

TATA CONSULTANCY SERVICES LIMITED: (14/January/2019 - Till Present)

Projects:

1. Project Name: TCS Rapid Innovation Labs

Domain: Life Sciences & Healthcare

Responsibilities:

- Designed and developed Incident Similarity model for optimization of Incident management.
- Designed BERT based NLP model showed excellent performance and improved the accuracy to 30% to recommend the similar incidents.
- Working on building a Workflow Automation Recommender System which could analyze the incidents and recommend the processes which can be automated.
- Build model can recommend the process which can be automated to reduce the manual efforts and leads to quick turnaround on incident resolution.
- Deployed Machine Learning Models to production at scale using REST APIs and Flask framework.
- To understand company and client challenges and how integrating technological capabilities can help create solutions.
- To build POC to generate insights, identify challenges and defining the business value.
- To gather and interpret data, identifying patterns and trends in datasets using analytics and statistical techniques.

2. Project Name: Ignio Automation Tool

Domain: Energy, Resources & Utilities

Responsibilities:

- Automated User access management tasks to improve the support team productivity using Ignio Tool.
- Designed and build chat bot to resolve L1 support Incidents using Python scripting.
- Worked as a Database Administrator with hands on experience on Oracle SQL to install, upgrade, manage and migrate database applications and troubleshoot database errors.

Python Developer

UNIPARTS INDIA LIMITED: (03/June/2018 - 09/Jan/2019)

Technical Skills:

- **Languages:** Python, SQL, C/C++.
- **Machine Learning:** Linear Regression, Logistic Regression, K-Nearest Neighbor, Naive Bayes, SVM, K-means Clustering, Decision Trees, Recommender Systems.
- **Deep Learning:** Convolutional Neural Networks, Recurrent Neural Networks, Long Short Term Memory, Attention Model, Transformers BERT, Tensorflow & Keras (Frameworks).
- **Computer Vision:** Image & Speech Processing, Feature detection, Object Detection (YOLO).
- **Data Analysis:** Numpy, Pandas, Matplotlib, SciPy, Scikit-Learn.
- **Tools:** Azure ML, Power BI, Oracle SQL Developer, Docker, Git and Service Now.

Projects / Real World Case Studies:

Title: Amazon Product Recommendation System

Build a recommendation system which suggests similar products (apparel) to the given product in an E-commerce website.

Title: Quora Question Pair Similarity

Build a model to identify which questions asked on Quora are duplicates of questions that have already been asked.

Title: Stack Overflow Tag Prediction

Build a model to predict the tags based on the content that was there in the question posted on stack overflow given the question text and title.

Education:

Course	Year of Passing	Institute/School	Board / University
B.Tech-Hons (ECE)	2017	Krishna Engineering college	Dr. A.P.J. Abdul Kalam Technical University
XII	2013	David Model Public School	CBSE
X	2011	Canterbury Public School	CBSE

Learning & Certification: (Achieved and Planned)

- ❖ Applied AI Machine Learning One Year Program on Machine Learning & Deep Learning.
- ❖ Microsoft Certified on Azure AI Fundamentals (AI-900).
- ❖ Certified on Machine Learning with Python (IBM).
- ❖ Certified on Python for Data Science (IBM).
- ❖ Certified on Database for Developers (Oracle).
- ❖ Learning in progress on Microsoft Certified Azure Data Scientist Associate.

Personal Details:

- Date of Birth : 3rd April 1995
- Marital status : Unmarried
- Address : 277, New Loyal Pur Colony, Krishna Nagar, Delhi-110051