

## EDUCATION

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- **Netaji Subhas University of Technology(East Campus)** New Delhi  
*B.Tech in Electronics and Communication; CGPA: 7.9* *Aug. 2015 – Jul. 2019*

## EXPERIENCE

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- **Wipro Limited** Gurgaon  
*Software Development Engineer* *Jul 2019 - Present*
  - **Enterprise Data Warehousing:** Implemented Enterprise Data Warehouse for one of the largest public sector banks in the country. Worked in multiple role varying from writing ETL jobs in SAS and IBM Datastage to Scheduling and Monitoring of jobs in Production environment.  
Technologies worked on - IBM Data Architect, SAS DI, Oracle Dbeaver
  - **Web service Integration of ML and Django:** Developed web services, Django REST api which integrated the data flow from ML pipeline to the existing Business Intelligence Dashboard. Earlier, Business Intelligence team was directly consuming the ML data via REST end points using Excel files, thereby reducing the flexibility to get data insights. Enhanced the BI dashboard which consumed this ML data and provided BI team to easily generate different reports, data insights, etc.  
Technologies worked on - Python, Django, DRF, sklearn, Git, MySQL
  - **Fraud Detection POC:** Worked with core FRMS team, discussed various methodologies involving detection of Fraudulent Transactions and accounts. Did POC using various ML algorithms like XGboost, CatBoost, Random Forest on huge datasets. Analysed emsembled models also.  
Technologies worked on - Sklearn, numpy, Matplotlib, pandas, XGBoost, Jupyter Notebook
- **Law Facto** New Delhi  
*Software Development Intern* *Oct 2017 - Feb 2018*
  - **Description:** Responsible for writing and deploying the whole backend infrastructure including REST APIs for the Android and iOS Apps Built and shipped the backend for the official app of Delhi High Court Bar Association(DHCBA).

## PROJECTS

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- **Netflix Movie Recommendation System:** Designed a collaborative movie recommendation system using matrix Factorization and movie-movie cosine-similarity matrix and used RMSE as the metric [Project Link](#)
- **Power Line Fault Detection EDA Feature Engineering:** Exploratory Data Analysis on VSB Power line partial discharge patterns in signals acquired from these power lines with a new meter designed at the ENET Centre at VSB to derive POC for continuously monitoring and predicting power line faults. [Project Link](#)

## RESEARCH & PUBLICATIONS

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- **Kaushal Sharma, D. Chaudhary. (2019). Hindi Handwritten Character Recognition using Deep Convolution Neural Network. :**  
In Proceedings of the 13th INDIACom; INDIACom-2019; IEEE Conference ID: 46181.2019 6th International Conference on “Computing for Sustainable Global Development”, New Delhi, India  
[Link: https://ieeexplore.ieee.org/document/8991403](https://ieeexplore.ieee.org/document/8991403)
- **Kaushal Sharma, D. Chaudhary,R. Gupta, R. Kapoor. (2018). Voice based application designed for visually impaired people and enabling them to use gmail services.:**  
In Proceedings of the 12th INDIACom; INDIACom-2018; IEEE Conference ID: 42835. 2018 5th International Conference on “Computing for Sustainable Global Development”, New Delhi, India  
[Link: http://bvicam.in/INDIACom/news/INDIACom%202018%20Proceedings/Main/papers/2956.pdf](http://bvicam.in/INDIACom/news/INDIACom%202018%20Proceedings/Main/papers/2956.pdf)

## TECHNICAL SKILLS

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- **Programming Languages/ Databases:** C/C++, Python, Java, MySQL, IBM db2
- **Frameworks:** Django, Django Rest Framework, Flask, Sklearn, Tensorflow
- **Technical Interests::** Data Structures and Algorithms, Machine Learning, Deep Learning, NLP, Data science