

Kamish Upadhyay

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WORK EXPERIENCE

TCS Research | 3 years

Bengaluru, KA

Applied Machine Learning Engineer

Feb 2019 – Present

- **Digital Twin:** Developed machine learning algorithms and implemented research papers from scratch for Comprehensive data quality verification, Automatic data preprocessing, Auto ML and few more classic ML/DL nodes. Did **A/B testing** & analysis of ML models and optimizing models for accuracy.
- **AI Chatbot:** Developed a query chatbot leveraged **NLP** for issue searching on **Django** framework. Handled large-scale training & prediction of ML models with **Hadoop/Spark** distributed computing systems. The next word prediction for the chatbot was also developed using **keras** sequential model **LSTM**, **TensorFlow/PyTorch**.
- **BFSI Domain:** Developed kernel with an accuracy of 96.271% by which classification of genuine customers for the banking/financial policies was easier. This improved their reach out to customers & also maintained their strong customer relationships by 27%. Did end-to-end system design, data analysis, feature engineering, technique selection & implementation, debugging, and maintenance in production.

GATE Overflow | 6 months

Trivandrum, KL

Machine Learning Engineer Intern

Aug 2018 - Jan 2019

- Developed code for **semantic analysis** of user comments/reviews using textblob and sending mail to the comment owner using **smtplib** library.

EDUCATION

Kamla Nehru Institute of Technology | KNIT

Sultanpur, UP

Bachelor of Technology, Information Technology

Aug 2014 - May 2018

Main coursework: Applied Machine Learning, AI, OOP, Data Structures, Algorithms, Databases, Operating Systems.

Certified in **Machine Learning and AI**

IIT Bangalore - upgrade, *June 2019-May 20*

SKILLS

Programming Languages: Python, C/C++, Core Java. | **Frameworks:** Django, Flask.

Data Science: pandas, NumPy, Matplotlib, plotly, Hadoop/Spark, TensorFlow, Keras, PyTorch, scikit-learn, Sequence Models, NLTK, Time Series, Predictive Modeling, Neural Networks, NLP, Transformers, BERT.

Miscellaneous: MySQL, Neo4j, Tableau, Spyder, Jupyter, Azure ML.

CERTIFICATIONS & CONFERENCES

- Certified **Machine Learning Expert**, AppliedAI, '18 | **GATE Qualified - 97.10 percentile**
- PG Diploma **Machine Learning and AI**, Upgrade | **IIT Bangalore**, '20
- Certified **Deep reinforcement learning Expert** | Udemy, '20
- Speaker, Open Machine Learning Conference, Bengaluru, '20

HONOR & AWARD

Extraordinary Performance Award, '19 | **Best Employee Award**, '20 | **CTO Appreciation Award**, '20