Rahul Yadav

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EDUCATION

University at Buffalo, Buffalo   Aug. 2022 – Dec. 2023
Master of Science in Computer Science and Engineering   New York, US
Coursework: Pattern Recognition, Machine Learning, Algorithms, Modern Computing Systems;   GPA: 3.91 / 4

Indian Institute of Technology (Banaras Hindu University), Varanasi   Jul. 2014 – May 2018
Bachelor of Technology in Electronics Engineering   Uttar Pradesh, India

EXPERIENCE

Oracle   Sept. 2020 – Aug. 2022
Senior Application Engineer | OFSS Machine Learning Team   Bengaluru, India

Preemptive Anomaly Prediction in Corporate Billing
- Developed a multivariate anomaly prediction service with model explainability
- Optimized the service performance to process 1.2 million bills and 5 million bill segments within 20mins
- Released the service within Oracle Revenue Management and Billing(ORMB) product

Transaction Categorizer for Personal Banking
- Designed and developed an unsupervised categorization service for personal banking transactions
- Improved promotion service with prediction of the most probable next category

Debt Collection System
- Built an intelligent debt collection system to identify risk, target potentially defaulting customers, suggest strategies to minimize loss and speed up recovery
- Released identification service within Oracle Financial Services Lending and Leasing (OFSLL) product

Wipro Limited   June 2018 – Sept 2020
Project Engineer | iX Team CTO Office   Bengaluru, India

Coalesce - Augmented Reality Application
- Designed and developed backend services for accessing meta data of the 3D objects
- Released in wipro iX augmented reality solutions, aimed to connect trainees with 3D virtual interactive objects using AR

Chatbot Services for Employee Helpline Portal's Ticketing System
- Developed chatbot which first classified the intent of the query and accordingly mapped response to the historical resolutions
- Reduced the workload on human agents with real-time query resolution of general queries, and thus average wait time decreased from 18mins to 4 mins

Virtual Interview Bot(WINDY)
- Built a interactive virtual interview bot with vision components of pose, emotion and object detection.
- Prototype was showcased for initial screening rounds at hiring drives of several universities.

PUBLICATIONS

Virtual Conversation with Real-Time Prediction of Body Moments/Gestures on Video Streaming Data   **ICMLIP 2019**
Gopichand Agnihotram, Rajesh Kumar, Pandurang Naik, **Rahul Yadav**   springerLink

PATENTS

Method And System For Multimodal Analysis Based Emotion Recognition   **16/795840 [PDF]**
Inventors: **Rahul Yadav***, Gopichand Agnihotram*   Applicant: **Wipro Limited**

SKILLS

Languages : Python, Java, C++, C, PLSQL, SQL
Frameworks and Libraries : Tensorflow, Keras, Pytorch, Scikit-Learn, Pandas, Git, Jenkins, Flask, SpringBoot, mongoDB

ACHIEVEMENTS

- Contributed to **5 non-provisional US patent** filing at Oracle (OFSS)