ROHAN JAGTAP

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EDUCATION

B.E. Computer Engineering: Sardar Patel Institute of Technology **2020, Mumbai, India**
- **CGPA**: 8.73 / 10

PUBLICATIONS

Healthcare Conversational Chatbot for Medical Diagnosis (Book Chapter) **October 2020**
- A modified Hierarchical Recurrent Encoder-Decoder(HRED) architecture for diagnostic chatbots.
- **Webpage**: igi-global.com/book/handbook-research-engineering-business-healthcare/239914

An In-depth Walkthrough on Evolution of Neural Machine Translation **April 2020**
- An exhaustive study of the past as well as the recent trends in Neural Machine Translation.
- **URL**: arxiv.org/abs/2004.04902

WORK EXPERIENCE

Member of Technical Staff at VMware Inc. **Remote-Office, India**
Full Time **July 2020 - Present**
- Design and development of highly scalable microservices that leverage the Microsoft Azure Cloud and IOT Hub Infrastructure
- Provided around 25 fixes for on-call customer escalations so far
- Redesigned and revamped the entire automation framework for the App Volumes for Horizon Cloud on Microsoft Azure
- Contributed to DevOps by setting up pipelines, environment migration, integrating security tools, writing shell scripts, etc.

Intern **January 2020 - July 2020**
- Built a Notification Microservice from scratch using Spring Boot.
- Developed a Database Migration Tool in Ruby for a cross-platform feature migration.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, Ruby, C, C++
- **AI:** Deep Learning, Natural Language Processing, Machine Learning, Reinforcement Learning
- **Frameworks:** Django, Spring Boot, Flask
- **Databases:** PostgeSQL, MongoDB

CERTIFICATIONS

TensorFlow Developer Certificate **June 2020 - June 2023**
- **Credential Link**: credential.net/c53be2df-3da0-40d1-83f6-d6627fa0ed8b

NPTEL: Reinforcement Learning **October 2019**
- **Score**: 77/100 (#2 in India. Link)
- **Certificate Link**: nptel.ac.in/noc/Ecertificate/?q=NPTEL19CS55S41820719191052649

ACHIEVEMENTS

Winner, Technical Paper Presentation Competition - SPIT, Mumbai **November 2019**
- Departmental Technical Paper Presentation Competition Organized by the Research and Development Department of Sardar Patel Institute of Technology.

Runner Up, Sangam - ML Hackathon By IIT Madras Alumni Association **August 2019**
- To derive a formula for Air Quality Index (AQI) and predict AQI in temporal as well as spatial dimensions with visualizations.
- **Github**: github.com/rojagtap/sangam2019

Winner, Smart India Hackathon, 2019 Software Edition **March 2019**
- An Extractive Text Summarizer to make insurance documents more comprehensive for the customers
- **Github**: github.com/rojagtap/voice-over-insurance-protocol

PROJECTS

Abstractive Text Summarizer (Transformer) **May 2020**
- Implementation of 'Attention is all you need,' Vaswani et. al., 2017
- **Github**: github.com/rojagtap/abstractive_summarizer
- **Blog (Theory)**: towardsdatascience.com/transformers-explained-65454c0f3fa7
- **Blog (Implementation)**: medium.com/swlh/abstractive-text-summarization-using-transformers-3e774cc42453