Jahanvi Shah

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EDUCATION

BITS Pilani, Goa Campus   *Aug 2016 - June 2021*

B.E. Computer Science and MSc. Economics, CGPA 9.06/10

EXPERIENCE

Microsoft Research, Bangalore - *Research Intern*   *Jan 2021 - Current*

Topic: **Interactive Neural Machine Translation,** Mentors: *Dr. Vivek Seshadri, Dr. Kalika Bali, Ms Tanuja Ganu*

Apple, Hyderabad - *Software Engineering Intern*   *July 2020 - Dec 2020*
- Integrated Text to Speech and Automatic Speech Recognition services in Interactive Voice Response via gRPC and web socket connection for Customer Systems using Protocol buffers, Java and Python.
- Reduced the time for changing messages in Interactive Voice Response from 7 working days to real time.

Google LLC., Bangalore - *Summer Software Engineering Intern*   *May 2020 - July 2020*

Topic: **Entity Aware Translation of Subtitles,** Mentors: *Dr. Partha Talukdar, Dr. Ashish Tendulkar*
- Developed a framework to detect erroneous entities in translated subtitles of educational videos of ~4500 hours.
- Analysed and improved performance of different neural network and machine learning methods including BiLSTM and CRF to detect erroneous entities using Python on Google Cloud Platform.

Infibeam, Ahmedabad - *Software Engineering Intern*   *May 2018 - July 2018*
- Developed an online portal that allowed the users, who were managers from different economic zones of UAE, to make dynamic forms for multiple purposes and add it to the portal using Django, CSS and HTML.

PROJECTS

Learning Depression Semantics on Social Media [under review]   *Jan 2020 - July 2020*

Mentor: *Dr. Swati Agrawal*
- Developed a classifier in Python using Tensorflow 2.0 for classifying the mental state of 5,000 Reddit users.
- Improved the performance of the classifier to achieve accuracy of 87.9% by leveraging and comparing neural network methods like BERT and LSTM.

Detecting Spam messages   *Aug 2019- Dec 2019*
- Developed a classifier in Python to classify messages as spam/ non-spam on a dataset containing 5,500 messages.
- The framework used NLTK package and Naive Bayes Classifier from sklearn to achieve accuracy of 96.2%.

SKILLS AND KEY COURSES

Programming Languages: C++, Python, Java, HTML, R, CSS, MySQL, Verilog

Frameworks and Libraries: TensorFlow, PyTorch, Spacy, NLTK, Protocol buffers, Django, Pandas, Numpy, Sklearn

Tools and IDEs: Visual Studio, PyCharm, Vim, Google Cloud Platform

Key Courses: Machine Learning, Data Mining, Neural Networks and Fuzzy Logic, Compilers, Networks, Data Structures and Algorithms, Database Management System, Econometrics, Probability and Statistics

ACHIEVEMENTS

Google AI Summer School, 2020: Selected in top 50 for NLU track among 10k participants from India

She Coders Nucleathon, 2019: Selected in top 10 female students in India in a coding contest on Hackerearth

Uber She++ Hackathon, 2019: Selected in top 40 from 2000 participants from India in a coding test for an onsite Hackathon

POSITIONS OF RESPONSIBILITY

Teaching Assistant   *Jan 2020 - June 2020*
Assisted the instructor in conducting labs and tutorials of Data Structures and Algorithms, Object Oriented Programming courses for 250 students.

Co-Founder of BITS Goa Women in Tech   *May 2020 - Present*
Initiated to reduce the gender gap in technology and foster interactions, networking, and sharing ideas among women