

Kshitij Mani

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EDUCATION

Bachelor of Engineering (B.E.) - Computer Science & Engineering

Expected June 2020

Bangalore Institute of Technology [GPA: 8.8/10]

- **Courses:** Data Structure, Algorithm, Artificial Intelligence, Machine Learning, Object Oriented Programming, Unix & Shell Programming, Database, Computer Architecture

PROFESSIONAL EXPERIENCE

Software Development Intern – ODCEM Technologies Private Limited

Jan 2020 – Present

Technologies used: Java Spring, Hibernate, Redis, RabbitMQ, MySQL

Project Trainee – IBM

Jan 2019 – Mar 2019

Project: “Automated Insights”

Technologies used: Java Spring, Apache Couch DB, Angular6, IBM Cloud

- Built a tool to enable users to see dynamic narratives based on any company’s latest quarterly results.
- Leveraged Natural Language Generation and Processing to convert tabular and financial data into easily understandable English sentences.
- Implemented processing techniques to significantly reduce user’s request time and designed a smart API token management.
- Conceptualized efficient synchronization technique for the various external APIs used in the system.

ACADEMIC PROJECTS

Research Paper – Deepfake Detection (Ongoing)

Jan 2020 – Present

Analysis of current Deepfake detection methodologies and evaluation of changes that can be inducted in order to improve the performance of these methodologies.

Speaker Diarization and Speech Transcription System (Ongoing)

2019 - Present

A system based on Unbounded Interleaved-State Recurrent Neural Network for speaker diarization followed by speech transcription using the “AMI Meeting Corpus” data.

Research Paper - A Web Usage Mining Approach Based on Compact Prediction Tree

2019

Evaluating the performance of Compact Prediction Tree (CPT) and CPT+ algorithms with respect to the existing techniques in the field of Web usage mining and more specifically web page prefetching algorithms.

Sentiment Analysis in Python

2018

Used the “Large Movie Review Dataset” made available by Stanford University to train a Logistic Classifier for predicting the tone of a given movie review. The model was able to achieve an accuracy of approximately 88%.

(github.com/manikshitij/sentiment-analysis)

TECHNICAL SKILLS

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|--------------|-----------------------------|---------------------------|------------------|----------|
| • Python R | • Pandas Numpy | • Java C | • Spring Boot | • OpenCV |
| • NLP | • Scikit-Learn Tensorflow | • JavaScript HTML CSS | • MySQL Oracle | • AWS |

LEADERSHIP & ACHIEVEMENTS

- Represented my state in Indian National Junior Science Olympiad (INJSO) and Indian National Astronomy Olympiad (INAO).
- Consistently been in the top 15% of the class in school as well as college.
- Led a tree plantation drive, working with Tarumitra - an UN recognized organization.