

AYUSH JAIN

Work Experiences

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- 1. Senior Technical Associate – Culture Alley(Hello English), Jaipur** (MARCH 2019- PRESENT)
 - Designed and built an in-house A/B testing platform.
 - Working directly with product team, learning and providing strategy related to product designing.
 - Introduced and set up the pipelines for protocol buffers and object serialization.
 - Developed pipelines for different Caching algorithms to reduce database calls over Redis and Memcached.
- 2. Technical Associate – Culture Alley(Hello English), Jaipur** (JUNE 2017- MARCH 2019)
 - Developed pipelines for Data visualization tools for real-time analytics for ease diving into the details.
 - Build various algorithms on Elasticsearch, Redis for seamless user interaction.
 - Designed and built the first Hindi language application for Actions On Google using Dialogflow.
 - Integrated Dialogflow to automate approx 60% of the daily user helpline queries.
 - Developed many other APIs, android modules and internal tools for the company.
- 3. Research Intern – Delhi Technological University(DTU), Delhi** (MARCH 2017)
 - Learned different concepts related to the application of soft computing in Recommendations System.
 - Built a SentiConceptNet from ConceptNet in similar way SentiWordNet was built from WordNet, to increase the efficiency of sentimental analysis.
- 4. Software Engineering Intern – Toppr, Mumbai** (DECEMBER 16- FEBRUARY 2017)
 - Responsible for managing and developing their product 'Toppr Learn'.
 - Integrated OCR and Elasticsearch in the teacher's panel helping them to search student's doubts via image much faster, thus reducing the doubt answering time by 40%.
- 5. Technical Intern – Culture Alley(Hello English), Jaipur** (JUNE-AUGUST 2016)

Worked on:

 - VoIP Integration in the app
 - Speech Recognition via Acoustic Model
 - Various Auto-Scripting
 - Clustering Files on variation of Text and Pitch.

Projects

- 1. Intonations Detection – A Speech-based Research Project** (AUGUST -2016)

It uses Speech Recognition on a trained acoustic model, which not only gives text but also provides probability and lexical stress from the speech. This helps to evaluate Intonations in an input sentence on the basis of the Intensity obtained from the audio file. And make the commands more meaningful.
- 2. English Telescoping – An NLP based Research Project** (SEPTEMBER-2016)

It uses combinations of Lossless Data Compression and Lossy Language Processing Algorithms to encode any ASCII text file for Binary Communication Channel.
- 3. Unique Speaker Automated Door – An Android & IoT Application** (NOVEMBER-2016)

This project uses speech recognition to uniquely identify the speaker on the mobile phone and using cloud services send the signals to the hardware to unlock the door automatically.
- 4. Emotion-based Feedback – IITB Hackathon Project** (JANUARY-2017)

It analyses different reaction of the students throughout the lecture by using Face Recognition APIs and categories them. Aiming teachers to understand when and where the student lacks interest and helps them to make decisions based on it.

Technical Skills

- Java, Mysql, Redis, System Design, Php, JavaScript, BigQuery, Android, Actions on Google, Elasticsearch, Data Studio

Education

- Galgotias College of Engineering And Technology, Gr. Noida** (2013-2017)

Bachelor of Technology(Hons.) in Information Technology; Percentage: 78.36

Achievements

- Won 1st position in Nodal Region and 2nd position in State Level Coding Event 'Code Rush' among all colleges under State University APJAKTU. (MARCH-2016)
- **JAYPEE Hackathon:** Won 1st position in Hackathon organized at IIIT, Noida for building a Dynamic multilingual Application for Rural Development. (NOVEMBER-2016)
- Among the top 5 teams in the IITB Hackathon organized by Microsoft & CSI chapter Mumbai. (JANUARY-2017)

Position of Responsibility

- Organized workshops related to "Real-Time Database with Firebase" and "Opportunities in Android".
- Lead Organizer of the first ever 24-Hours Hackathon in the college.
- Cultural and Technical Head Coordinator for IEEE ICGCIOT conference 2015.
- Served as General Secretary for the Departmental Club "EXTREME".