AYUSH JAIN

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Work Experiences

1. **Technical Associate – Culture Alley(Hello English), Jaipur** *(JUNE 2017- PRESENT)*
   - Entirely responsible for managing all the Internal links used for Content Generation.
   - Enhance the Chat System to manage leads and various other user info.
   - Shifted the entire Storage to Google Cloud Platform to remove CDN cost, develop wrapper classes for the same.
   - Develop many APIs, modules and internal tools for the company.

2. **Research Intern – Delhi Technological University(DTU), Delhi** *(MARCH 2017)*
   - Build and learned different concepts related to application of soft computing in Recommendations System.
   - Build a SentiConceptNet from ConceptNet in similar way SentiWordNet was build from WordNet, to increase the efficiency of sentimental analysis.

3. **Software Engineer Intern – Toppr, Mumbai** *(DECEMBER- FEBRUARY 2017)*
   - Entirely responsible for developing and managing their offline product "Toppr Learn".
   - Designed and integrated OCR in the teachers' panel helping them to search student's doubts via image much faster, thus reducing the doubt answering time by 40%.
   - Handled VR media player integration and dynamic content changing in the app.

4. **Technical Intern – Culture Alley(Hello English), Jaipur** *(JUNE-AUGUST 2016)*
   Worked on:
   - VoIP Integration
   - 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 that enables you to convert Audio Commands to Text based on trained acoustic model, with probability and lexical stress. This project help 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 – A NLP based Research Project *(SEPTEMBER-2016)*

It uses combinations of Lossless Data Compression and Lossy Language Processing Algorithms to encode any English text file for Binary Communication Channel with efficiency of over ~94% by minimizing code word length and therefore reducing the total code length by over 10% and received text similarity rate of over ~92%.

3. Unique Speaker Automated Door – An Android & IoT Application *(NOVEMBER-2016)*

Inspired from different Hollywood Movies, 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 Form – IITB Hackathon Project *(JANUARY-2017)*

It analyses different reaction of the students throughout the lecture by using Face Recognition APIs and categories it into different categories. Aiming teachers to understand when and where the student lacks interest and helps them to make the decision based on it. Build in just 2 days.

Technical Skills

Software:
- JAVA (Proficient), PHP(Proficient), Android(Proficient), Python, Google Script and Git.
- Publish 6 Android Apps on Google Play Store, with over 4.8/5 rating.

Hardware: Worked on Arduino and Raspberry Pi and its different modules related on IoT.

Education

- **Galgotias College of Engineering And Technology, Gr. Noida** (2013-2017)
  Bachelor of Technology in Information Technology; Percentage: 78.36

Achievements

- Won 1st position in Nodal Region and 2nd position in State Level Coding Event 'Code Rush' organized by State University APJAKTU. *(MARCH-2016)*
- Won 1st position in Hackathon organized at JIIT, Noida for building an Dynamic Offline 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

- Organizes workshops related to "Real - Time Databases' 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.
- Severed as General Secretary for the Departmental Club "EXTREME".