AYUSH JAIN

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WORK EXPERIENCE

Senior Software Engineer   **Hello English**   **Mar 2019 – Present**
- Responsible for managing and scaling their multilingual Edtech product 'Hello English'.
- Designed and built an in-house A/B testing platform.
- Working directly with the product team, learning and providing strategy related to product designing and decision making.
- Reduced funnel drop-off, increased in-app revenue and retention by taking timely actions referring to the data.
- Designed LTV & KPI models based on various data sources over the different segments of users.

Software Engineer   **Hello English**   **May 2017 – Mar 2019**
- **Worked with the Google India team, to build the first Hindi language application for Google Home and assistant.**
- 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.
- Automated daily chat queries, using multi-lingual support of Dialogflow.

Research Intern   **Delhi Technological University(DTU)**   **Mar 2017**
- Learned different concepts related to the application of soft computing in the Recommendations System.
- Built a SentiConceptNet from ConceptNet in a similar way SentiWordNet was built from WordNet, to increase the efficiency of sentimental analysis.

Software Engineering Intern   **Toppr**   **Nov 2016 – Feb 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%.

Software Engineering Intern   **Hello English**   **Jun 2016 – Aug 2016**
- Built a speech recognition/grading application and implemented it on Android.
- Integrated VoIP application module on Android.
- Design application to cluster and segregate audio files based on text, pronunciation, pitch, etc using data mining algorithms.

EDUCATION

Galgotias College of Engineering And Technology - B. Tech(Hons.), Information Technology.   **2013 – 2017**

SKILLS

Java, Mysql, Redis, System Design, Data Engineering, Actions on Google, Dialogflow, Php, NoSQL, AWS, Javascript, Node.js, Elasticsearch.

SIDE PROJECTS

Intonations Detection - A speech recognition research project to determine the text, lexical stress and intonations from the audio and making commands more meaningful.

English Telescoping - An NLP based project which uses combinations of Lossless Data Compression and Lossy Language Processing Algorithms to encode any ASCII text file for Binary Communication Channel.

Emotion-based Feedback Form - It analyses the different reactions 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. Build at IITB Hackathon in 24 hours.

Automated Door - This project uses speech recognition to uniquely identify the speaker over an android application and send the signals to the hardware to unlock the door automatically.

Attendance Viewer - An android app for my university to check a student's class attendance, timetable, newsfeed, etc. Used by more than 80% of the campus population.

ACHIEVEMENTS

- Among the top teams in the IITB Hackathon, Hack for Change Hackathon, Angelhack and many more.   **Jan 2017**
- Won #1 in Hackathon organized at JIIT, Noida for building a dynamic multilingual application for rural development.   **Nov 2016**
- Won #1 in Nodal Region and #2 in State Level Coding Event 'Code Rush' among all colleges under State University.   **Mar 2016**

POSITION OF RESPONSIBILITY

- Actively talked and organized multiple workshops and meetups related to the product, system design, and database optimization.
- Lead Organizer of the first-ever 24-Hours Hackathon in the region and university.
- Served as General Secretary for the Departmental Club.