

Sumit Kumar

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Along with diverse experiences of working on multiple tech. products, evaluating new features, designing architectures and frameworks, I love to work with new teams and embark on new experiences.

Education

- B. Tech, Electrical Engineering** **IIT Delhi**
 - New Delhi, India *July, 2013 - June, 2017*
 - * **Design Innovation Summer Award** & and Runner-up in **Open House IITD** for presenting fully functioning prototype of android app controlled **Foot Acupressure Device**
 - * **House Secretary**: Led a team of **5 Secretaries** and representatives of 6 boards for **400+ students**
 - * **WorldQuant Summer Challenge**: Reached **Gold level** and secured **34th** rank globally
- Foreign Exchange Program** **Ecole de Mines, Douai**
 - Lille, France *Aug, 2015 - Dec, 2015*
 - * **Achieved proficiency in French**: Completed 2 months and 130+ contact hours at **Alliance Francaise**

Work Experience

- CallE - A Human-Powered Engagement Platform** **Co-founder & CTO**
 - Gurugram, Haryana *Nov 2019 - Present*
 - Setup a team of **100+ crowd-sourced remote agents** and **10 interns** to fulfill real-time requirements of clients
 - **Data-driven Training**: Built a platform using **Rails, PSQL, AWS & Kotlin** to track & train remote agents
 - **Routing algorithm**: Agent-Customer profile matching based on features like gender, age, location, income, etc.
 - **GOTV Campaigns**: 3 campaigns (**5000+ voters each**) in Haryana & Delhi elections to improve voter turnout
 - **Ed-tech Pre-sales**: On-boarded 3 clients for 2 week pilots to streamline processes with **data driven analytics**
- Blackboard Radio** **Back-end & Speech Engineer**
 - Bangalore, Karnataka *Mar 2019 - Oct 2019*
 - **Phoneme-based Pronunciation Engine**: With real-time feedback to improve user's Speaking English
 - **Live Reporting**: Created dashboards, visualisations & automated reporting for Parents & Investors
 - Enhanced pre-built **ASR model accuracy by 8%** to improve results for children's speaking activities
- Samsung R&D** **Software Engineer**
 - Bangalore, Karnataka *Jul 2017 - Feb 2019*
 - **Payment Integration**: Of newly added services like Bill-pay and Recharge for **100K+ S-pay** users in a team of 6
 - Implemented **APIs/Modules, infrastructure, prototypes** and **managed server deployments** of S-Pay services
 - **Database integration**: For efficient interaction between **Couchbase** and main application using **Java SDK**
- Shadowfax Technologies Pvt. Ltd.** **Data Science Intern**
 - Bangalore, Karnataka *May 2016 - Jul 2016*
 - **Future Order Predictions**: Using **ARIMA** model on **time series data set** of previous months daily orders
 - **Performed Exploratory Data Analysis**: Figured out seasonality, stationarity and **ACF/PACF** correlation plots
 - **Conducted Feature Engineering**: Derived variables to improve the performance of Time Series Forecasting Model

Technical Skills

- Speech Recognition: Kaldi, CMU Sphinx, Mozilla Deep Speech, TensorFlow
- Full-Stack Development: Ruby on Rails, Android, React Native, SQL, JAVA Spring, Bootstrap
- Languages & Tools: JAVA, Python, C++, Bash, Linux, Git, AWS, Figma