

# PRATIK KATARIA

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## PROFESSIONAL SUMMARY

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A **Trainee – Research & Digital Presence** at CITIC CLSA Ltd. A developer with keen interest in full stack development, problem solving, machine learning, and android/hybrid app development. A collaborative developer and engineer with experience in object-oriented programming, scripting, database development, and mobile development.

Professional skills and interests:

- **Programming in Python, and Java**
- **Developing and leveraging databases**
- **Technical Troubleshooting and Debugging**
- **Angular, Wordpress, React & HTML5/CSS3/JS**
- **Git version control and Android development**
- **Machine learning and Artificial Intelligence**

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## PROFESSIONAL SKILLS DEMONSTRATED

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### [CITIC CLSA Ltd.](#)

2018 – Present

*CLSA is an investment bank that is headquartered in Hong Kong and has more than 1800 employees globally. The company's clientele includes Olam International Limited, Max India, Singapore Post Limited, ITC Corporation Limited, Bharti Televentures Limited, and Videocon Industries Limited.*

#### **Trainee – Research & Digital Presence**

I was placed in CLSA through campus placement. I've been through rigorous corporate training that includes Shell scripting, Angular, Financial (domain) knowledge, Core Java, Spring framework, Selenium, Hibernate, MongoDB, Oracle SQL and soft skills. I've rotated in various teams including Tech-Ops, Research, and others which provided exposure to their operations as well as projects as per requirement. Projects included:

- Developing web GUI to monitor important processes across multiple redhat servers
- Data mining
- Predicting date for file system usage crossing a certain threshold
- Python scripts to import excel data into Postgres database based on validations and checks.

#### **Hackpulsate 2018 winner**

Won CLSA's first hackathon organized across HongKong and India for its employees. We created a multi-utility bot in python that integrated with symphony. We were able to use REST APIs, sentiment analysis, NLP, Angular, Regex, and lot of efforts to make our champion bot.

### [MIT College of Engineering](#)

2014 – 2018

*Established in 2001, MITCOE got ISO certificate from American Quality Assessors (AQA) a prestigious body especially in Europe & USA.*

Throughout my college years I have participated in technical as well as non-technical activities. I have also published 2 papers titled 'User Adaptive Chatbot for mitigating Depression' and 'Scope of JavaScript in Data Analytics and Data Visualization'. From being a class representative for first two years to a successful dell campus ambassador, I received recognition for some of my contributions. The highlights are as follows:

- **All India 4<sup>th</sup> Rank in Dell Compassador Program 2017:** It involved yearlong social as well as technical activities representing Dell in my college. I managed studies along with the activities that dell charted on a

monthly basis. Near the end of my third year in college I was invited to Dell Headquarters in Bangalore for receiving award.

- **Finalist in Smart India Hackathon 2017:** Our team went to the final rounds where we demonstrated a solution for [power theft](#) in India.
- **Finalist in MTV Get a Job Season 2 2016:** I was among the 4 finalists for internship at Flipkart. It was held at Flipkart Headquarters, Bangalore for the position of Mobility Software Engineer. I was selected from more than 2 lakh candidates.

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## RELEVANT PROJECTS

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**[Top Charts Aggregator](#):** Developed for learning experience with Ionic 3/4 as well as firebase authentication. It provides trending items across categories like TV Shows, English/Hindi Music, Movies, & Anime.

**Bot - Autonomous Emotional Support (BAES):** Developed a chatbot to mitigate or prevent depression and improve positive quotient of a person. It was a web application consisting of chat interface and most of the positivity boosting tools such as motivational quotes, motivational videos, ambient sounds, trending memes, etc.

Data for these tools was scrapped from reddit which enabled daily updates. Chat with chatbot was facilitated by Artificial Intelligence (AI) as well as non-AI components. Mood chart was created by doing semantic analysis that enabled user to self-analyze whether his/her statements to chatbot determined him/her as depressed or not.

Code base uses Python, Tensorflow, Django, Selenium, MongoDB, SQLite, HTML, CSS, and JavaScript.

**[Sagarmitra.org](#):** I was the project lead overlooking 3 others. We renovated the NGO website for better outreach of their organization internationally. It was completed in February 2017.

**[International Conference on Intelligent Computing and Communication \(ICICC -2017\)](#):** Developed and designed website for 2<sup>nd</sup> ICICC that took place in MIT College of Engineering. I worked with IT Department faculty as well as 3 other students. It was built using wordpress and completed in July 2016.

**[Formulae Box](#):** First android application that I created during my first year in engineering. I wanted to understand android and help my friends to get important formulas in digital way. It currently has 5,000+ installs and users from India, Pakistan, US and many other countries.

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## EDUCATION

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**Bachelor of Engineering (Computer Engineering) Percentage: 69.33%.** MIT College of Engineering (Pune, Maharashtra)

**12<sup>th</sup> Maharashtra Board (Science/IT) Percentage: 76.92%.** Fergusson College (Pune, Maharashtra)

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## OTHER RELEVANT INFORMATION

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**Programming Languages:** Python (Advanced), Java (Advanced), JavaScript (Intermediate), SQL (Intermediate), MongoDB (Intermediate), Angular (Intermediate), Ionic 4 (Beginner) and React (Beginner)

**Computer skills:** Adobe Photoshop (Intermediate), Adobe Illustrator (Beginner)