

# Rishitosh Kumar Singh

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## EDUCATION

### Ajay Kumar Garg Engineering College

*Affiliated to Dr. A.P.J. Abdul Kalam Technical University*

Bachelor of Technology in Computer Science

C.G.P.A: **8.2**

Aug. 2016 – Sep 2020

### Bal Bharati Public School, Dwarka

*Affiliated to Central Board of Secondary Education*

Class XII (Intermediate, Senior Secondary Examination)

Aggregate: **94.2%**

Apr. 2014 – Mar 2015

### Bal Bharati Public School, Dwarka

*Affiliated to Central Board of Secondary Education*

Class X (High School, Secondary Examination)

C.G.P.A: **9.6**

Apr. 2012 – Feb 2013

## EXPERIENCE

### Product Analyst - Data Science

*EduGrad*

- Role comprises of solving business problems using data science and mentoring students
- Worked on construction site labour monitoring system, currently deployed in Hyderabad

July 2020 – Present

*Hyderabad, TS*

### Research Assistant

*Big Data Center of Excellence, AKGEC*

- Worked under Dr. Sushil Kumar on research project funded by AKTU
- Investigated neurons in real, complex and quaternion domains

Feb 2019 – Sep 2020

*Ghaziabad, UP*

## PUBLICATIONS

Kumar, S., Singh, R.K. & Chaudhary, A. **On the Learning Machine with Amplificatory Neuron in Complex Domain.** Arab J Sci Eng (2020). <https://doi.org/10.1007/s13369-020-04692-3>

## PROJECTS

### Automated Irrigation System using ML | Python, Flask, Arduino

Oct 2018

- Participated in ChallengeACI hackathon with 4 other team members
- Developed REST API using Flask, to send sensors data to cloud.
- Programmed GSM Module to send sensor data and receive instructions from cloud

### ToWatch | Kotlin, Python, Flask, Firebase, Git

Apr – Jul 2018

- Developed an movie directory android app which consumes TMDB API
- Developed a webhook using Flask, to send notifications to users
- Published app to play store (bit.ly/ToWatchApp) gaining 1K+ downloads and an average 4.7/5-star review.

### Soccer Playing Bots | Arduino

Apr 2017

- Participated in Technoxian'17 with 6 other team members
- Built 2 soccer playing bots with innovative design

## LEADERSHIP

### Tech Lead @ Big Data Center of Excellence, AKGEC

Sep 2019 – Jul 2020

- Supervised Tech team, Organized workshops and Guided juniors

### Student Member @ Big Data Center of Excellence, AKGEC

Aug 2017 – Jul 2019

- Developed Saksham'18 Android app for college's annual sports meet
- Developed TedxAKGEC Android app for college's first Tedx event.

## TECHNICAL SKILLS

**Languages:** C/C++, Java, Python, Kotlin, SQL, HTML/CSS, LaTeX

**Frameworks:** Flask, Flutter, Apache Spark

**Developer Tools:** Git, VS Code, PyCharm, IntelliJ, Google Cloud Platform, Firebase, Arduino

**Libraries:** pandas, NumPy, Matplotlib, Tensorflow