

Rishitosh Kumar Singh

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OBJECTIVE

I am a motivated Sr. Product Analyst with data analysis, predictive modeling, algorithms, and software development skills. I am seeking new opportunities to apply these skills and acquire some new skills.

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: **8.27**

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

SKILLS

Python

C/C++

HTML/CSS

JS

SQL

Java

LaTeX

Kotlin

Pandas

NumPy

Matplotlib

Tensorflow

Flask

Flutter

Apache Spark

Apache Kafka

MongoDB

Linux

Firebase

GCP

AWS

Machine Learning

Deep Learning

Computer Vision

NLP (Natural Language Processing)

EXPERIENCE

Senior Product Analyst

Techlearn (formerly EduGrad)- Ashoka Systems India Pvt. Ltd.

July 2020 – Present

Hyderabad, TS

- Developed and deployed a robust and scalable face recognition system in python, which increased the system's efficiency by 83%. The system can analyze real-time frames from 6+ cameras with only one consumer.
- Utilized NLP and DL to analyze user interactions on the platform and predict new leads for product sales.
- Used pandas library to generate actionable business insights for management.
- Worked on a project using python and OpenCV to compare content delivered by third-party vendors.
- Developed various automation platforms and scripts for the smooth functioning of the organization.
- Involved in managing internal as well as external stakeholders.

Research Assistant

Big Data Center of Excellence, AKGEC

Feb 2019 – Sep 2020

Ghaziabad, UP

- Studied and implemented artificial neurons in real, complex, and quaternion domains to enhance the performance of the conventional algorithm.
- Developed a customized neural network for a project funded by State Government under AKTU

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 and programmed GSM module for communication between sensors and cloud.

ToWatch | Kotlin, Python, Flask, Firebase, Git

Apr – Jul 2018

- Used third party API to create an interactive movie directory application.
- Published app to play store (bit.ly/ToWatchApp) gaining 1K+ downloads and an average 4.7/5-star review.