Rishitosh Kumar Singh

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OBJECTIVE

Motivated machine learning engineer with skills in data analysis, predictive modeling, algorithms, and software development, seeking some new opportunities in this field.

EDUCATION

Ajay Kumar Garg Engineering College	C.G.P.A: **8.27**
Affiliated to Dr. A.P.J. Abdul Kalam Technical University	
Bachelor of Technology in Computer Science	Aug. 2016 – Sep 2020
Bal Bharati Public School, Dwarka	Aggregate: **94.2%**
Affiliated to Central Board of Secondary Education	
Class XII (Intermediate, Senior Secondary Examination)	Apr. 2014 – Mar 2015
Bal Bharati Public School, Dwarka	C.G.P.A: **9.6**
Affiliated to Central Board of Secondary Education	
Class X (High School, Secondary Examination)	Apr. 2012 – Feb 2013

EXPERIENCE

Senior Product Analyst — July 2020 – Present
Techlearn (formerly EduGrad)- Ashoka Systems India Pvt. Ltd. — *Hyderabad, TS*

- Developed and deployed a robust, scalable face recognition system in python, which increased the system's efficiency by 83%, to analyze real-time frames from 6+ cameras with one consumer.
- Utilizing semi-supervised learning to analyze user interactions and to 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 an automation platform to convert content into interactive jupyter notebooks.
- Involved in managing internal as well as external stakeholders.

Research Assistant — Feb 2019 – Sep 2020
Big Data Center of Excellence, AKGEC — *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 Governement 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.

TECHNICAL SKILLS

Languages: Python, C/C++, HTML/CSS, Javascript, SQL, LaTeX, Java, Javascript, Kotlin
Frameworks: Flask, Flutter, Apache Spark
Developer Tools: Git, VS Code, PyCharm, IntelliJ, Google Cloud Platform, Firebase, Arduino
Libraries: Pandas, NumPy, Matplotlib, Tensorflow