

Roshan Kumar

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Career Objective:

An astute professional with experience in Data Science, Machine Learning, Artificial Intelligence & Software Development using programming languages and it's framework like- Python, Pandas, Django, Web Scraping, NLP etc. Having Master's degree in Computer Engineering (Cyber Security) from National Institute of Technology, Kurukshetra.

Work Experience:

- Worked at **Quantamix Solutions** from 4th Apr 2019 to 31st July 2019 as a Data Science Intern.
- Worked at **ESPL Delhi** from 13th Jan 2016 to 17th Aug 2016 as a Web Developer.
- Worked from July 2014 to Jan 2016 at **Microsoft** as a Microsoft Student Associate & Promoted to Microsoft Student Partner at **Microsoft**.

Achievements & Award:

- Selected for Microsoft Student Associate at **Microsoft** in my 3rd year of engineering.
- Awarded with 2nd position in a Shobhit University for developing Windows 8 & Windows Phone App developer of 2013-2014 Session.
- In Apr'15 got selected for Member of **Microsoft Research Team**.
- Winner of Times Trail Photography Contest by **yatra.com** & **Times of India** held in Sept 2015.

Technical Skills:

- **Programming Languages:** Python, Core Java (SE), C++, PHP
- **Database:** MYSQL
- **Applications:** Visual Studio 2015, NetBeans, XAMPP, Atom, Anaconda
- **Web Designing:** HTML, CSS, JQuery
- **Area of Interest:** Intrusion Detection, Malware Detection, Android Security

Research:

Title1: Signature-Anomaly based Intrusion Detection Algorithm (**Published in IEEE Conference**)

Title2: HyINT (Hybrid Intrusion System) Signature-Anomaly Intrusion Detection System (**Published in IEEE Conference**)

Description: In recent time, ensuring security to the cloud platforms is one of the key challenges. Based on proposed algorithm, a hybrid intrusion system has been developed namely, HyINT, which uses both signature and anomaly-based detection methodologies. Also, different parameters have been discussed for evaluation of the system.

Training:

- Successfully completed my Internship at **Indian Institute of Technology Kanpur** on Android & got certificate from **IIT Kanpur**.
- Successfully completed 1-week training on Windows apps & Windows phone apps organized by **Microsoft**.
- Successfully completed my Core Java & Adv. Java 4-month training from **Sunrise Computer Institute Meerut**.
- Attended 1-week workshop on **Current Trends in Cyber Crime and Security (CTCCS-2018)** at **MNNIT Allahabad**.

Project:

Project Name : HyINT System (Hybrid Intrusion Detection System)

Duration : 1 Year (Including Research work)

Description : In this research work, we have proposed a Hybrid Intrusion Detection Algorithm that can be deployed on private cloud for highly secured systems. Efficiency of the proposed algorithm is quite good in terms of time complexity and implemented using Python & Front-End Technologies.

Certifications:

- Completed and completing certification from **COURSERA** in the field of Python, Data Science and Machine learning. (<http://roshangrewal.com/technology/>)
- Completed & got certificate of completion for many courses from **Microsoft Virtual Academy**.
- Completed 3 courses from **MASSIVELY EMPOWERED CLASSROOM** (www.mecr.org) of **Microsoft Research**.
- Got certificate of completion for Core Java & Adv. Java from **Sunrise Computer Institute**.
- Got certificate of completion for PHP & Web Technologies from **Sunrise Computer Institute**.

Academic Background:

Course	Board / University	Year of Passing	Percentage
Master of Tech. (CS)	NIT Kurukshetra	2019	6.12 CGPA
Bachelor of Tech. (CS)	Shobhit University	2016	6.88 CGPA
Intermediate	B.S.College (BSEB)	2012	60%
Metric	Adarsh H. Sch. (NIOS)	2010	65.8%

Letter of Recommendation will be provided if required.

Conferences & Workshops:

- Attended 2-day workshops on AZURE Development organized by **Microsoft** at Hotel City Park in Gurgaon.
- Attended GAMEJAM'15 workshop organized by **Microsoft** at Dronacharya Institute of Technology at Gurgaon.
- Attended MSA & MSP Summit 2014 organized by **Microsoft** at Gyan Ganga Institute of Technology & Management at Bhopal, Madhya Pradesh.
- Presented Startup project on Digital India in CICON Conference 2015.
Project link: www.roshangrewal.com/di

Personal Profile:

Date of birth: 23rd Feb 1993

Father's Name: Shri Vijay Kr Bhagat

Hobbies: Photography.

Declaration:

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Place:

Date:

Signature: