Rizwan Hilal Shah

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Experienced educator with over 2 years of teaching at higher secondary and college levels, coupled with over 6 months of hands-on corporate experience in cybersecurity and open-source intelligence. Skilled in delivering comprehensive and engaging instruction, fostering academic growth, and applying practical expertise to solve complex problems. Demonstrated ability to adapt to diverse environments and integrate real-world applications into educational settings, ensuring students gain valuable and relevant skills.

EXPERIENCE

JK Higher Education - GDC Ganderbal - Lecturer
May'2023 - Present | Ganderbal, J&K

- Lecturer with extensive experience in teaching various subjects, including information technology, database management systems (DBMS), computer networks. Cloud computing and open-source technologies.

- Delivered comprehensive lectures and practical sessions to undergraduate students, ensuring a deep understanding of complex IT concepts.

- Mentored students in their dissertation projects, providing guidance on research methodologies, technical implementation, and project management.

- Prepared students for inter-college competitions, enhancing their problem-solving skills and technical knowledge through specialized sessions

JK Skill Development Department - ITI Kupwara - Instructor
Oct'2022 - May'2023 | Kupwara

- Taught both theoretical and practical sessions on computer hardware and network maintenance.

- Developed and delivered curriculum tailored to enhance students' understanding and practical skills in IT hardware and networking.

- Conducted assessments and provided constructive feedback to help students improve their technical proﬁciency.

EDUCATION

M.Sc Information Technology
Lovely Professional University
- Paghwara Punjab
- Aug'2020 - Aug'2022

Bachelor's Degree
Govt. Degree College Bemina
- Bemina Srinagar, J&K
- Aug'2015 - Jan'2020

Higher Secondary Education
Govt. Boys Hr. Sec. School Kupwara
- Kupwara
- 2012-2015

Diploma In Computer Skills
Noorani Institute Of Information Technology
- Khurhama, Kupwara
- 2020

Functional Skills

Decision-making

Critical thinking   Networking

Time management   Mediation

Teamwork and Collaboration

Strategic thinking

Technical Skills

Python   SQL   JavaScipt

Ruby   Red Hat Linux   IRF

Networking   AWS   OSINT

Web Application Penetration Testing

PWAJK Information Technology Pvt. Ltd - System Administrator
Nov'2019 - July'2020 | Kupwara

- Performed routine maintenance and updates on company computers and network systems.

- Ensured compliance with basic security protocols and performed regular backups.

- Assisted employees with troubleshooting common hardware and software issues.

Academic Projects

Cr4ck3r - Automation Web Application Vulnerability Assessment And Penetration Testing Framework - CMS & Hard Coded

This project was my final term project for my MSc IT degree.

Designed to automate the detection and exploitation of vulnerabilities in web applications, including content management systems (CMS) and hard-coded applications.

Integrates tools for SQL injection, cross-site scripting (XSS), and target searching via Shodan.io, enhancing the efficiency and effectiveness of penetration testing efforts.

Smart Deterioration Scale Analyzer Disclosure Paper

Development of Qassistant, a web-enabled smart quality assistant for analyzing the level of deterioration in edible oil.

Implementation of an IoT-Fog assisted quality monitoring system, method, and device equipped with IoT-based devices and sensors for real-time assessment of the quality and condition of edible oil.

Comparative Analysis Of Machine Learning Techniques With Rapid Miner Using Glass Identication Dataset

Conducted a comparative analysis of various machine learning techniques using the Glass Identification dataset within the Rapid Miner environment.

Evaluated the performance of algorithms such as Decision Trees, k-Nearest Neighbors, and Support Vector Machines, focusing on accuracy, precision, and computational efficiency to determine the most effective method for glass type classification.

Technical & Administrative Work

1. Website administrator – Industrial Training Institute Kupwara

2. Website Administration & Development – GDC Ganderbal

OTHER INTERESTS & HOBBIES

Cricket | Cooking | Poetry | Book Reading

Achievements

- 1st Place in Projex Project Showcase & Dev Hacks Competition

  (a) Guided and mentored a team of BCA students from Govt. Degree College Ganderbal to secure 1st place at the Projex Project Showcase and Dev Hacks competition held at NIT Srinagar, triumphing over competing teams from Host Institution NIT Srinagar, SSM College, DPS Srinagar, and others.

  (b)Led the conception, design, and presentation of a sophisticated Cybersecurity Focused Threat Intelligence & Detection project, defeating competitors from prestigious institutions under my mentorship.

- Reported Multiple Vulnerabilities to A Kashmir Based Food-Tech Company, "Gatoes"

- Secured Multiple Websites of Jammu & Kashmir Services Selection Board (JKSSB)

- Reported multiple security vulnerabilities to National Institute Of Technology, Srinagar (NIT Srinagar)

- Secured Multiple Websites of Sher-e-Kashmir University of Agricultural sciences and technology kashmir

- Performed Cybersecurity Assessment On NikahForever and secured their whole IT Infrastructure,

  India's #1 Muslim Matrimony Portal

- Discovered & Reported 30+ Security vulnerabilities via Bug Crowd, HackerOne & Intigriti

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Declaration

I hereby declare that all the information given is true and correct to the best of my knowledge

Rizwan Hilal Shah