


Gurpreet Singh

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Education

AI Big Data Department 
Endicott College Of International
Studies, Woosong University, South
Korea


March 2021 – February 2025
GPA: 3.81/4.5

High School

Guru Nanak Public Sr. Sec. School,
India

June 2016 – June 2018
Percentage: 80%

Experience

President, Woosong Cyber Security
Club 


September 2021 – Present

- CCNA education for students (Computer Networks)
- IoT project finding Wi-Fi vulnerabilities

Research and Development Projects,
SeAH Steel. 

March 2024 – Present

- Development and research projects

Machine Learning Intern 

March 2024 – Present

- Development and research credit card prediction
- Development and research predicting furniture sales

Natural Language Processing Intern

January 2024 – March 2024

- Development and research analyzing customer complaints

Address

199-8, Jasyang-dong, Dong-gu, Daejeon, 34606, South Korea

Certifications and Awards

- President, Woosong University Cyber Security Club, January 2024
- Woosong University Learning Concert (Computer Networks), 2022
- Woosong University Learning Concert (IoT), 2023
- Natural Language Processing Internship, 2024
- United Cities and Local Governments (UCLG) | International Organization Conference, 2022
- Unified Cyber Olympiad (UCO) National Ranking 1186, 2011
- Advanced Cyber Security Certification (CACs), 2020

Computer Skills

C, Python, R, Java, MongoDB, MySQL, Linux, Windows, Red Hat, CentOS, Ubuntu, Fedora, Computer networks (OSPF, EIGRP, RIP, RIPV2, BGP etc.)

Research Interests

Wireless Networking, network architecture, Computer security, Signal Processing in Machines, Machine learning, Mobile computing, Data Intelligence

Project Experience

- EnviroNet: IoT-based environmental analysis for campus sustainability, 2023
- RescueNet: Creative network simulation for emergency response, 2022
- VisiLogin: Secure face recognition login system, 2022
- SecureCipher: Java OOP encryption & decryption tool using SHA256, 2021

Papers

- Assessing the vulnerabilities and impacts of open SSH ports on Centos 9 virtual machines hosted on MAC ARM computers CVE- 2023-25136 - International Development Planning Review (Under review)
- Deciphering Brain Signals: The Mathematics of Signal Decoding and Reconstruction in Brain-Computer Interfaces – The journal of electronic publishing (Under Review)
- Enhancing Multimodal Biometric Recognition with Optimized Fuzzy Genetic Algorithm and Advanced Deep Learning Fusion Techniques - Gateways- International Journal of Community Research and Engagement (Under Review)
- Optimizing Instructional Strategies in Large Language Models: A Mathematical and Visual Analysis of the Reinforced Evol-Instruct Approach – European Journal of interdisciplinary studies. (Under Review)
- Repercussion of ChatGPT in Cybersecurity - International Journal of Research Publication and Reviews (Published)