



NIMER A. SINGH

Security and Cloud Computing (SECCLLO)

EXPERIENCE

● Aalto University, Espoo, Finland | Research Assistant

January 2024 - Present

- Masters Thesis focusing on the use of large language models for generating high quality questions for programming assignments.

● Aalto University, Espoo, Finland | Research Assistant

April 2023 - August 2023

- Developed an AI tool to improve code quality and coding practices. The tool uses a large language models (LLM) to give feedback to the programmer.
- Implemented using Svelte, JavaScript, Python and introduced scalable grading systems for code submissions.

● Aalto University, Espoo, Finland | Teaching Assistant

August 2022 - April 2023

- Teaching Assistant for the courses Information Security, Network Security, and Laboratory works in Networking & Security.

● Shivoham Techno Services, New Delhi, India | DevOps Engineer

August 2020 - February 2022

Shivoham automates and integrates industrial manufacturing and smart electrical grid systems.

- Developed smart city electrical grid management applications and automation solutions for the hospitality industry, using Python, Javascript and deploying them on Google Cloud.
- Implemented and maintained CI/CD pipelines to automate build, test and deployment of applications.
- Developed and integrated sensors in various IoT platforms to collect process data for automation applications while keeping security in mind.
- Led R&D team of 6 engineers to provide solutions for cost effective solutions.

● Dell International Services, Hyderabad, India | Software Developer Intern

May 2019 - July 2019; January 2020 - May 2020

- Analyzed the processes to identify tasks for automation.
- Implemented dashboards for Availability Command Center to reduce customer support response time.
- Developed automated translation system for thousands of customer reviews on Dell website from multiple languages to English.

RESEARCH EXPERIENCE

● Implementation and Analysis of Blockchain Based DAPP for Secured Sharing of Students' Credentials.

2019 - Research Paper, IEEE Consumer Communication and Networking Conference 2020

DOI: [10.1109/CCNC46108.2020.9045196](https://doi.org/10.1109/CCNC46108.2020.9045196)

EDUCATION

● Norwegian University of Science and Technology (NTNU), Trondheim, Norway

August 2022 - May 2024 (Erasmus Mundus Programme for Security and Cloud Computing)

Remarks: Ongoing Studies

● Aalto University, Espoo, Finland

August 2022 - May 2024 (Erasmus Mundus Programme for Security and Cloud Computing)

Remarks: Ongoing Studies

● Manipal University Jaipur (MUJ), Jaipur, India

August 2016 - July 2020 (Bachelor of Technology in Computer and Communication Technology)

Remarks: CGPA: 9.1/10 - Gold medal for academic excellence, Scholarship for academic excellence

INTERESTS

Cloud Computing Enthusiast, Passionate about Information Security

SKILLS

Languages: Python, C, JavaScript, Dart, Bash

Web: NodeJs, ReactJS, Flask

Database: MySQL, NoSQL

Cloud: Google Cloud

Blockchain: Hyperledger Fabric, Ethereum

LEADERSHIP

Supporting Committee - ESN, NTNU
[August 2023 - Present]

Treasurer - Rotaract Green Club, MUJ
[July 2018-May 2019]

General Secretary - Panacea, MUJ
[Jul 2018-May 2019]

Head of Design - Phi Phenomenon, MUJ
[Jul 2018-May 2019]


Executive Committee Member for Blood Donation Camp 2018, MUJ, donor count -1703

HOBBIES

Stand Up Comedy, Formula 1 aficionado, Graphic Design

CONTACT INFO

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