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**INTERNSHIP/EXPERIENCE**

**ACADEMIC DETAILS**

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| --- | --- | --- | --- |
| **Btech** (Computer Science & Engineering) | 2021-  2025 | The Northcap University | 8.3/10.0 |

# Software Development Intern at DesiQnA *December ’23 – March’24*

1. Orchestrated the design and development of a fully responsive webpage for a dedicated section of Desi QnA, prioritizing user-centric experiences.
2. Spearheaded User Verification/Authentication solutions, addressing engineering challenges to detect and eliminate fake bots and posts.
3. Strengthened website security by seamlessly integrating Recaptcha, Google's Layer of Protection.
4. Applied a tech stack comprising HTML, CSS, JS, Bootstrap, PHP, and MySQL for optimal web performance

**RESEARCH WORK**

and functionality.

# Academic Research Collaborator at the Northcap University *May ’23 – Present*

1. Implemented and fine-tuned various machine learning and deep learning algorithms for detecting

malware in Android-based systems. Implemented ensemble learning methods, showcasing adaptability, and achieving a commendable 90% model accuracy.

1. Conducting cutting-edge research on Speaker-Aware Training in End-to-End Speech Recognition using

Neural Speaker Embeddings. Leveraging deep learning expertise to contribute to the development of innovative speech recognition models.

1. Played a pivotal role in research and development, emphasizing skills in data collection, processing,

and application of Scikit-Learn tools.

**PROJECTS**

# Opti-Space *(Machine Learning Project) Aug 2023 – September 2023*

A smart office-based solution that utilizes machine learning algorithms to optimize lightning conditions and image detection methods for effective waste detection. The solution utilizes capabilities of data science, API methods, etc. Model accuracy of 80% has been achieved. [API, python, data cleaning, data preprocessing, machine learning algorithms]

**ACHIEVEMENTS**

1. AWS AI ML scholar 2023, receiving full funding for Python with AI nano degree worth $4000.
2. 2nd prize Geeks for Geeks Ecotech – Hacks for sustainable tomorrow for OptiSpace.
3. 50% scholarship in Coding Ninjas September Success test. Top 10% amongst 5000+ participants
4. Top 20 worldwide at Polyhack 2023 winning 1000hkd funding for project Cyberhealthy.
5. Best use of MATLAB award at Treasure Hacks 3.5 x MLH hacks.
6. Best accessibility hack sponsored by fidelity in All in x MLH hacks.

**SKILLS**

1. **Technical:** Python, Java, HTML, CSS, Javascript, PHP, MySQL, Data Structures, and algorithms, Oracle

Restful APIs, software development lifecycle, technical documentation

1. **Relevant coursework:** Operating Systems, Computer Networks, OOPS, Database Management System
2. **Relevant certification:** Azure AI – 900.
3. **Coding Profile:** 300+ questions in Leetcode and coding ninjas

**EXTRACURRICULAR**

1. Web development tutor at Go Girl Organization teaching underprivileged kids to code using HTML and CSS.
2. Ex-Vice President at the ACM NCU student chapter and ambassador of the Woman in Big Data NCU chapter.
3. Part of the University’s anchoring pool, hosting multiple events like hackathons and the university’s cultural fest.