SABIN MAHARJAN

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EDUCATION

Tribhuvan University   Kathmandu, NP
Bachelor of Science; Major: Computer Science; Grade: Distinction   Nov 2019 - Nov 2023

National School of Sciences   Kathmandu, NP
High School Diploma; Major: Biology & Mathematics; Grade: A   Jul 2017 - Aug 2019

National United School   Kathmandu, NP
Secondary School; Major: Computer Science & Mathematics; Grade: A+   Jan 2007 - Jun 2017

SKILLS

Programming Languages:	Java, Python, Dart, Kotlin, C#
Libraries & Frameworks:	Spring Boot, Flutter, Django, .NET
Databases:	MySQL, PostgreSQL, MS SQL, Oracle SQL
Tools & Platforms:	Git, Docker, Firebase, Netlify, Vercel & Jira

PROJECTS

Bharnaa   https://github.com/sabinmhx/bharnaa
Online Medical Appointment System in Java

- Proficiently utilized Java Spring Boot, Spring Data JPA, Spring Security, Hibernate, PostgreSQL.
- Implemented secure user authentication and HIPAA-compliant data protection.
- Executed over 150 test cases, resulting in a 98 % defect identification rate.

Sortify   https://github.com/sabinmhx/sortify
Sorting Algorithm Visualizer in Java

- Integrated multiple sorting algorithms, including Bubble Sort, Insertion Sort, Selection Sort, Merge Sort, Shell Sort, and Quick Sort.
- Added user controls to adjust the speed of the visualization, enabling users to observe the sorting process at different rates.

Attendance   https://github.com/sabinmhx/attendance
Attendance System with Face Recognition in Python

- Developed a Python-based attendance system to streamline the process of tracking student attendance in college classes.
- Utilized OpenCV's deep learning-based face detection model, achieving an impressive 95% accuracy rate in detecting student faces.
- Implemented Haar Cascade classifiers to detect specific facial features, such as eyes and mouths, enhancing the accuracy of face detection even in challenging scenarios.

KitabPremi   https://github.com/sabinmhx/kitabpremi
Online Bookstore Website in PHP

- Built an e-commerce web project for buying and selling books using HTML, CSS, JS, PHP and MySQL.
- Integrated payment gateway with Paypal Sandbox using Paypal API.
- Incorporated the DomPDF library allowing administrators to generate professional invoices for book orders.

AWARDS

Mahatma Gandhi Scholarship for High School	2017
NIST Principal Scholarship for High School	2017