



# Md Nazmos Sakib

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🏠 hackerrank.com/nazmos\_sakib

## 👤 ABOUT

Experienced software developer with a strong open-source background. Skilled in Java(osmdroid, mapbox, Parse-SDK, JFS) and Kotlin. Committed to innovation and collaborative projects. Dedicated to crafting impactful solutions and and eager to take on new challenges in the world of software development.

## 📁 PROFESSIONAL EXPERIENCE

2022 – 2023  
Chittagong,  
Bangladesh

### **iFrostByte Inc.**

#### *Junior Android Developer*

- Develop a personal finance management app (**Cash Manager**) designed to help users track their income, expenses, and savings. With a powerful visualisation tools, it simplifies financial management, allowing users to set budgets, analyse spending patterns, and achieve their financial goals.
- **Tool Used:** Java, Android Studio, GitHub

May 2022 –  
October 2022  
Middletown, USA

### **Encoded Ltd**

#### *Summer Internship*

During my internship, I actively participated in the creation of "**WORT Spiel**," an educational app with a specific focus on helping users learn the German language through word pair matching.

## 🎓 EDUCATION

October 2021 –  
present  
Schmalkalden,  
Germany

### **M.Sc in Applied Computer Science**

*Hochschule Schmalkalden* 🌐

January 2015 –  
January 2019

### **B.Sc in Computer Science and Engineering**

*North Western University* 🌐

## 🧠 SKILLS

Android Development | Java | Kotlin | Android Studio | Gradle | Software Documentation | Python | Agile Application Development | Problem Solving | Version Control(Git) | Office 365 | Operating System: Windows 7,8,10,11 Linux (Ubuntu), macOS. | Object-Oriented Programming (OOP) | Data Structures | C++

## 📁 PROJECTS

2024 – present

### **Wort-Gewandt** 🌐

*Android App* 📱

Take word learning a step further with an engaging word game. Match German words with their meanings in a randomly sorted array, making memorisation a breeze. App allows you to listen to word pronunciations continuously.

December 2023 –  
January 2024

### **AmbientIQ: Smart Home Controller with Pinecorn** 🌐

*Android App* 📱

AmbientIQ : A Sophisticated Smart Room Ecosystem for Ultimate Comfort and Efficiency. An IOT project that excellent hardware and software combination. Programming a RISC-V microprocessor with C programming to control electronics devices and also able to communicate with android app over wifi.

## TrinkBrunnen

Hochschule Schmalkalden

- **Description:** Developed an open-source Android app that helps users find nearby drinking water fountains.
- **Tools Used:** Java, Kotlin, Android Studio, GitHub
- **Source:** [GitHub Repository](#)
- **Challenges:** Understanding **OSMDROID** documentations and how to implement their **SDK**. How **GPS** location system works. Understanding overlays and managing hundreds of **Overlays**. Implementing **PARSE** database server and SDK to fetch stored data from server. Integrating **OSMBonuspack** for showing shortest route to the destination. Implementing turn-by-turn navigation for **MapBox Map**.

## CoinPaprika

- **Description:** Aim of this app is to learn how to extract data from API and show them inside an app. Using Volley to make an **HTTP** request to get **JSON** data from API.
- **Tools Used:** Java, Android Studio, GitHub
- **Source:** [GitHub Repository](#)
- **Challenges:** Understanding **Volley** documentations and CoinPaprika **API** to use them inside the app

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## PUBLISHED APPS

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2024

**Wort-Gewandt** [↗](#)  
*Google Play*

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## COURSES

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### Learn Python in 30 Days

*Udemy.com*

### The Complete Android Oreo Developer Course - Build 23 Apps!

*Udemy.com*

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## CERTIFICATES

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**The Complete Android Oreo Developer Course - Build 23 Apps!** [↗](#)  
by Udemy

**Java** [↗](#)  
by Hackerrank.com

**Mobile Application Development (Android)** [↗](#)  
by ICT Division Bangladesh

**Agile Project Management**  
Academic Course (35 Hours) by Prof. Dr. Kurt Englmeier

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## LANGUAGES

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**English** — IELTS • **German** • **Bengali**

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## PUBLICATIONS

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18th May 2021

**Smartphone-Based Heart Attack Prediction Using Artificial Neural Network** [↗](#)  
*Springer*

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## DECLARATION

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hereby declare the above-listed particulars of information and evidence are true to the best of my knowledge.

**Md Nazmos Sakib**  
06.06.2024