



# Nafisa Hossain Nujat

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## ABOUT ME

Motivated graduate student pursuing a master's degree at Tampere University, proficient in programming, databases, analytics, with a commitment to becoming a skilled professional. Eager to contribute adaptability and emerging expertise to dynamic projects in the field.

## EDUCATION AND TRAINING

21/08/2023 – CURRENT Tampere, Finland

**MSC IN COMPUTING SCIENCES (SOFTWARE, WEB & CLOUD)** Tampere University

07/01/2019 – 30/05/2023 Gazipur, Bangladesh

**BSC IN COMPUTER SCIENCE AND ENGINEERING** Islamic University of Technology

## DIGITAL SKILLS

C++ | Java | Python | HTML | CSS | JavaScript | React | Node.js | SQL | MySQL | MongoDB |  
Firebase | Flutter | Git | Scrum | Machine Learning | Artificial Intelligence | Natural Language  
Processing

## WORK EXPERIENCE

06/2022 – 12/2022

**FREELANCE ANDROID DEVELOPER** FIVERR

- Developing android applications based on features requested by customers
- Database integration on android applications
- Following deadlines and feedback on regular consultations with customers

05/2022 – 07/2022

**FREELANCE FLUTTER DEVELOPER** UPWORK

- Developing Flutter applications
- Database integration on applications
- Following deadlines and task schedules on Scrum assigned by team lead

## ADDITIONAL INFORMATION

### PUBLICATIONS

**"When Words Fail, Emojis Prevail": A Novel Architecture for Generating Sarcastic Sentences With Emoji Using Valence Reversal and Semantic Incongruity**

– 2023

Published in the Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics (Student Research Workshop)

- Developed a novel multi-modular framework for sarcasm generation incorporating reversal of valence and semantic incongruity including emojis and published a sarcastic dataset of 2000 instances.
- Worked with deep learning for reversal of valence on non-sarcastic data and RoBERTa-large model fine-tuned on the Multi-Genre NLI dataset for semantic incongruity.
- Used GPT-3 to extract commonsense data and a pre-trained model fine tuned on the CLIP deep learning model by OpenAI for emoji prediction.

## HONOURS AND AWARDS

2021

**2nd Runner Up, Girls' Mobile Application Development Contest – BdApps**

2013

**District Champion, Mathematics and Computer, Creative Talent Hunt Competition – Government of Bangladesh**

## PROJECTS

01/08/2022 – 30/04/2023

**SarcasmGenerationWithEmoji** Bachelor's thesis work - multi-modular framework for sarcasm generation incorporating the reversal of valence and semantic incongruity characteristics of sarcasm including emojis. Worked with deep learning for reversal of valence on non-sarcastic data, RoBERTa-large model fine-tuned on the Multi-Genre NLI dataset for semantic incongruity, GPT-3 to extract commonsense data, pre-trained emoji prediction model fine tuned on the CLIP deep learning model by OpenAI. Includes a sarcastic dataset of 2000 instances.

Link [github.com/nhnujhat/Sarcasm-Generation-with-Emoji](https://github.com/nhnujhat/Sarcasm-Generation-with-Emoji)

01/03/2022 – 31/05/2022

**GhuraGhuri** Travel web and mobile application for Bangladesh incorporating Google Maps API. Web application built with React and Node, as part of Web Architecture course. Mobile application built with Flutter and Firebase for Mobile Application Development course.

Link [github.com/nhnujhat/GhuraGhuriMerged](https://github.com/nhnujhat/GhuraGhuriMerged)

01/11/2021 – 30/11/2021

**BookNerd** Ebook and Audiobook Application built with Flutter using several APIs for a training course on Flutter.

Link [github.com/nhnujhat/BookNerd](https://github.com/nhnujhat/BookNerd)

01/10/2021 – 30/11/2021

**UniFo** University admission web portal for Bangladeshi students built with React and MySQL database as part of Database Management course.

Link [github.com/nhnujhat/UniFO](https://github.com/nhnujhat/UniFO)

01/05/2021 – 31/10/2021

**Thrive** Productivity tracking application incorporating user data to track and advise on diet, studies, fitness, mental health etc. Built for Software Development course.

Link [github.com/nhnujhat/Thrive](https://github.com/nhnujhat/Thrive)

01/04/2020 – 30/04/2020

**Note\_Ally** Student social media application for study materials sharing and discussion as well as job hunting built for a mobile application development contest (2nd runner up).

Link [github.com/nhnujhat/Note\\_Ally](https://github.com/nhnujhat/Note_Ally)

01/12/2019 – 29/02/2020

**OMNISHEBA** Medical assistance android application built during COVID to bring together doctors and patients in Bangladesh. Built on Java with Firebase as cloud database management.

Link [github.com/nhnujhat/OMNISHEBA](https://github.com/nhnujhat/OMNISHEBA)

01/09/2019 – 31/10/2019

**Bandersnatch** C++ adventure game built for academic course.

Link [github.com/nhnujhat/Bandersnatch](https://github.com/nhnujhat/Bandersnatch)

01/06/2019 – 30/09/2019

**Customer\_service\_management** Simple console based customer-employee management system built with C++ as part of Object Oriented Programming course.

Link [github.com/nhnujhat/Customer\\_service-management](https://github.com/nhnujhat/Customer_service-management)