

Sharmeen Imama



✉ imamasharmeen@gmail.com

📍 Kilonportti 1C 51, Espoo, Finland

🐙 github.com/Imamasharmeen

☎ +358417425675

🌐 linkedin.com/in/sharmeen-akter-imama-6a970620b

EDUCATION

Undergraduate degree in Information and Communication Technology Omnia

08/2022 - Present

Espoo, Finland

Courses

- Python Programming MOOC 2023
- SQL and relational database
- Web software development, fitech 101
- Communication and interaction skills

Bachelor of science in Electrical and Electronics Engineering

University of Information Technology and Sciences

05/2013 - 08/2017

Dhaka, Bangladesh

Courses

- Communication Theory and Lab
- Telecommunication engineering
- Digital signal processing
- Wireless and satellite communication
- Signal and system

RESEARCH

Implementation of FBMC for 5G wireless communication.

- Filter Bank based Multi Carrier system with Offset Quadrature Amplitude Modulation (FBMC-OQAM system) is developed using exponential modulation of a single prototype filter. BER performance of the FBMC OQAM system in the AWGN channel is studied. In fading channels, BER performance significantly improves by using this proposed technique compared to the traditional OFDM system. Inter-symbol interference is reduced by the processes and found a large amount of PAPR gain.
- FBMC has better error performance (Gain = 0.8dB).
- FBMC has better orthogonality (Polyphase filtering).
- FBMC has better PAPR performance (4dB Gain) It improves spectral efficiency by 25% over conventional OFDM (No CP).

SKILLS

PHP HTML CSS JavaScript

Docker React Python Matlab

SQL Git and GitHub

Microsoft office Microsoft Excell

Linux

CERTIFICATES

Google IT Automation with Python (12/2021 - 04/2022)

It's designed how to program with Python and how to use Python to automate common system administration tasks. The program includes use of Git and GitHub, troubleshoot and debug complex problems, and apply automation at scale by using configuration management and the Cloud.

LANGUAGES

English

Professional Working Proficiency

Finnish

Professional Working Proficiency

INTERESTS

Web and Cloud Development

AWS Cloud Technology

Cloud Deployment

Innovation and Problem-Solving

Containerization

programming

AI and IOT

Data analysis and manipulation