Tapu Chandra Bormon

B-62, Kodda, Kodda Bazar -1746, Gazipur

📞 (+880) 195-2387780 ✉ tapu.chb99@gmail.com 🔗 linkedin.com/in/tapuchb13 ⌾ github.com/Tapubormon

Education

Uttara University **2019 − 2023**
Bachelor of Science in Computer Science and Engineering *CGPA: 3.70 (out of 4.00)*

Technical Skills

Languages: C, C++, Python, JavaScript, MATLAB, SQL
Web Development: HTML5, CSS3, jQuery, Typescript, React, Redux, Node.js, Express.js, EJS, Bootstrap, Tailwind CSS, WebRTC, Socket.io
Backend & Databases: MongoDB, MySQL
Tools & Platforms: Git, GitHub, Postman, Figma
Others: Latex, Linux/Unix (terminal & scripting), Cybersecurity Basics

Projects

E-commerce Website | *React.js, Node.js, Express.js, Redux, MongoDB, PayPal API*
- User authentication and role-based access.
- Shopping cart, order tracking, and secure payments.
- Admin dashboard for product and order management.

Real-time Chat Application | *Socket.IO, WebRTC, Node.js, Express.js, MongoDB*
- Private and group chat functionality.
- Voice and Video call functionality.
- Secure message storage and retrieval.

Client Website (winforexsignal.com) | *Node.js, Express.js, Forex API, EJS*
- User-friendly interface with responsive design.
- Live forex data integration using Forex API.
- Blog section for news and updates.
- Secure payment gateway integration.

Research Experience

Wavelet Packet Decomposition and Cross-Correlation Analysis for Improving ECG Signal Classification.
MATLAB, Python, MIT-BIH Database, Long-term database, ST Change Database
- Developed signal processing pipeline, implemented feature extraction using Wavelet Packet Decomposition (WPD), validated performance on benchmark datasets (MIT-BIH, LTST, European ST Change DB), and contributed as First-author.

Leveraging IoT Infrastructure with Medical Imaging Devices for Real-Time Remote Diagnosis and Monitoring
Arduino, Raspberry Pi, Python, IoT Protocols (MQTT/HTTP), Cloud Storage, DICOM
- Reviewed and improved the manuscript, contributed to manuscript writing and editing, prepared the final manuscript for submission, and created technical diagrams and visual illustrations to support the research content, and contributed as co-author.

Language Proficiency

IELTS Proficiency Level: B2
IELTS Overall Band Score: 6.5 (Listening: 7.5, Speaking: 6.5, Reading: 6.0, Writing: 6.0)

Awards & Honors

- Dean's Honor Award, Uttara University, Department of Computer Science and Engineering, Dhaka, Bangladesh (2021)

References

Md. Harun-Ar-Rashid
Senior Lecturer, Department of Computer Science and Engineering, Uttara University
Email: harashid@uttarauniversity.edu.bd

Md. Shafiul Alam Chowdhury
Associate Professor, Department of Computer Science and Engineering, Uttara University
Email: shafiul.cse@uttarauniversity.edu.bd