
Md. Hasin Abrar

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Skills

- Programming Languages: Java, Python, C++, JavaScript, C.
- Database - MySQL, MongoDB, PostgreSQL, Oracle.
- Frameworks and Libraries - Express, React, Spring, Spring Boot, Hibernate.
- Others - git, Maven, Gradle.

PROJECTS

Home Media Server - Nodejs, Expressjs, React, Bootstrap

March 2021

- A web-based LAN media server whose contents can be accessed by any device on the same LAN.
- Streams videos using HTTP 206 that makes a low latency and snappy experience.
- Only the photos and videos which are intended and configured in the server can be accessed.

Encrypted Photo Gallery - Node js, Expressjs, React, MongoDB, Firebase Storage, Heroku

February 2021 - Present

- Stores photos and videos of users' in an encrypted manner.
- Encryption is implemented in the browser which ensures users' data is not compromised during transmission and even if the server is compromised.
- AES-GCM 256 bit encryption algorithm is used as it ensures confidentiality, integrity, and authenticity simultaneously.

Encrypted Password Manager and File Vault - Node js, Expressjs, React, MongoDB, Firebase Storage, Heroku

March 2021 - Present

- Encrypts passwords and files uploaded by the user in the browser.
- Encryption is implemented in the browser using AES-GCM 256 bit encryption algorithm.
- AES-GCM is used as it guarantees confidentiality, integrity, and authenticity of user's data simultaneously.

E-commerce App - PHP, HTML, CSS, Bootstrap, PostgreSQL

Jul 2018 – Aug 2018

- A full-fledged e-commerce app with sorting, searching capabilities within a certain category of products
- Cutting edge admin panel to manipulate the entire app.

EDUCATION

Bangladesh University of Engineering and Technology(BUET), Dhaka - Bachelor of Science(BSc)

February 2017 - Present

Main coursework: Data Structures and Algorithms, Software Engineering, Information System Design, Computer Architecture, Artificial Intelligence, Database Systems, Operating Systems, Computer Networks, Computer Security.

ACHIEVEMENTS

- [Placed 494th in Google KickStart Round H in 2019](#)
- [Earned Gold Badge for solving data structures and algorithmic problems on HackerRank](#)
- [Earned Gold Badge for C++ on HackerRank](#)