

GOURAB SAHA

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[GitHub](#) ◇ [LinkedIn](#)

EDUCATION

Shahjalal University of Science & Technology

May 2023

B.Sc. in Software Engineering

CGPA: 3.50/4.00 (3.74 in the last two years)

RESEARCH EXPERIENCE

Thesis: Secure Storage of Self-Sovereign Identity (SSI) Credentials Using Solid Pod Technology

Summary: My research addresses critical security issues in Self-Sovereign Identity (SSI) management, especially the lack of secure backup and recovery procedures for identity data stored in SSI wallets. To counter this issue, design and implement a safe backup and storage solution using Solid Pod technology, allowing users to store data online safely.

PUBLICATION

- M. Farhad, **G. Saha**, M.A. Nahid, F.R. Chowdhury, P.P. Paul, M.R. Ullah and M.S. Ferdous. **Secure Backup and Recovery of SSI Wallets using Solid Pod Technology.** In the *48th IEEE International Conference on Computers, Software, and Applications (COMPSAC)*, Osaka, Japan, July 2024. [[Link](#)]

WORK EXPERIENCE

DreamAspect Software

September 2021 – December 2021

Internship (Flutter Developer) | [GitHub](#)

- Designed and developed a board game UI using Flutter framework.
- Implemented custom UI elements aligned with project requirements.

PROJECTS

Web Technology Project | [GitHub](#)

A web-based CRUD application to maintain customer's orders. The system offers to manage customer profiles, food items, and orders.

Technology: Python (Django), SQLite, HTML, CSS, JavaScript, Bootstrap.

File Server System | [GitHub](#)

A file server system developed in Java that enables users to download and upload files within the same network, featuring a user-friendly GUI for managing files and directories on the server.

Technology: Java.

Solid Based App | [GitHub](#)

A Solid specification-based application that allows pod holders to log into a pod server with a web ID and manage to-do text lists by creating and deleting tasks directly on the server.

Technology: React, Node.js, RDF Turtle Format, Solid (Social Linked Data).

RELATED COURSE AND SKILLS

Courses

Computer, Data & Network Security (A+), Artificial Intelligence (A+).

Programming

Solved 500+ problems on [LeetCode](#), [CodeForces](#), [Vjudge](#), etc.

Languages

C, C++, Java, Python, JavaScript, Dart, MATLAB.

LEADERSHIP & ACTIVITIES

Orbitax SUST SWE Technovent 2023

January 2023

Organizer & Editorial Team Lead

SUST ACM Student Chapter

November 2021 - August 2023

Mentor

ACCOMPLISHMENTS

Digital Khichuri Challenge by UNDP, Sylhet

May 2019

Finalist