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

REFERENCES

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