

Sourav Sarker

CONTACT

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OBJECTIVE

Having a colorful footprint in software engineering spanning over **six years**, I have cultivated a robust skill set that includes clean coding, system design, settling R&Ds and debugging abilities; also, my commitment to problem-solving is demonstrated through successful project completions. Now, I am fueled by an unwavering passion for delving into challenging research topic which makes me an ideal candidate for contributing in.

WORK EXPERIENCE

SELISE Bangladesh

Software Engineer

Apr 2022 — Present

Acting as a team lead:

- **lead** an engineering team of 4
- maintained agile role and developed a Fintech Software which generates close to 1 million Swiss Franc each year for the company. (**CHF 1m**)
- worked inside a tech team for a Swiss platform for insurance, pension, and broker sectors that enables secure communication and data exchange and with plans to expand into a community-driven marketplace for third-party services and industry digitalization.

Acting as a full-stack dev:

- worked in a scale app that has been designed to manage complete financial activities, assets and plans for the Swiss origin people

Secure Link Services Ltd.

Apr 2019 — Mar 2022

Junior Software Engineer

- Worked in a report generation tool that optimized yearly business for shareholders
- Worked in a project management system (like: Trello) for a corporate using MongoDB, Node.js and Socket.io

RESEARCH EXPERIENCE

Research Assistant

Department of Computer Science & Engineering, SUST

Jan 2018 — Feb 2019

- Collaborated with a team of researchers on a project which is focused on **building a factoid question answering system in Bengali on a closed domain**.
- **Collected and preprocessed datasets** from various sources, ensuring data quality and integrity and implemented and fine-tuned NLP models with open-source ml libraries.
- **Conducted literature reviews** to identify relevant research in different languages and methodologies, contributing the insights to project strategy.
- Assisted in **designing and conducting experiments, analyzing results, and presenting findings** during weekly team meetings.
- **Presented research progress and results** at a NLP regional conference via **poster presentation, engaging with peers and receiving constructive feedback**.
- **Published two conference paper** on the topic of **Classification and question answering system** in prominent regional conference of respective field.

Executive Member

SUST Natural Language Processing Lab

July 2018 — June 2019

- Collaborating partially with a multidisciplinary team in the SUST NLP lab on building a NER for Bengali Search Engine "Pipilika".
- Participating in workshops and seminars arranged by NLP Lab to stay updated with the involved and contemporary topics in NLP and Machine Learning

PUBLICATION

Google Scholar Profile: user=[ii3B1oAAAAAJ](#) 

- "Bengali Question Answering System for Factoid Questions: A statistical approach," 2019 2nd International Conference on Bangla Speech and Language Processing (**ICBSLP**), Sylhet, Bangladesh, 2019, pp. 1-5, [doi:10.1109/ICBSLP47725.2019.901512](https://doi.org/10.1109/ICBSLP47725.2019.901512). 
- "Classification of Bengali Questions Towards a Factoid Question Answering System," 2019 1st International Conference on Advances in Science, Engineering and Robotics Technology (**ICASERT**), Dhaka, Bangladesh, 2019, pp. 1-5, [doi: 10.1109/ICASERT.2019.8934567](https://doi.org/10.1109/ICASERT.2019.8934567). 

EDUCATION

Bachelor of Science in Computer Science & Engineering

Mar 2015 — Feb 2019

Shahjalal University of Science & Technology, Sylhet

CGPA: 3.28 / 4.00

TECHNICAL SKILLS

Core Skill: Complete knowledge regarding web development which includes **full stack development** and **project management**.

Worth mentioning Skillset:

- **Programming:** C, C#, Python, TensorFlow, MATLAB
- **Framework:** Angular, Dotnet
- **Data Analysis:** Pandas, NumPy, SciPy
- **Tools:** Git, Jupyter Notebook, Visual Studio, Visual Studio Code, MS Office etc.

ACHIEVEMENTS

- Awarded “**Best Poster**” in the poster presentation segment in **International Conference on Bangla Speech and Language Processing (ICBSLP-2018)**
- Two times **runner-up** in **Bangladesh Mathematical Olympiad (BdMO)** regional phase and 1 time **champion** in **National Earth Olympiad (NEO)** arranged by BYEI.

TEST SCORES

IELTS: 6.5

LANGUAGE

English (Fluent) - Bengali (Native) - Hindi (Intermediate)