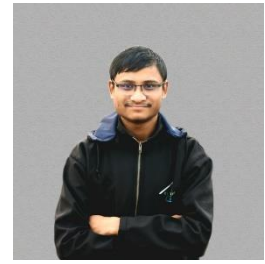# SWARAJ CHANDRA BISWAS

Dinajpur, Rangpur, Bangladesh

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GitHub	LinkedIn	ResearchGate	Stopstalk
▪ Github.com/ Swaraj44	▪ Linkedin.com/in/ swaraj-chandra- biswas-1aa3aa204/	▪ Researchgate.net/profile/ Swaraj-Chandra-Biswas	▪ https://www.stopstalk.com/ user/profile/Swaraj66

ACADEMIC CREDENTIALS

BSc in Computer Science & Engineering (CSE)

Department of Computer Science & Engineering, Khulna University of Engineering & Technology (KUET)

CGPA: 3.39 out of 4.00 (Till 4th Year, 1st Semester)

Higher Secondary Certificate (HSC)

Holyland College, Dinajpur

Science GPA: 5.00 (2019)

CERTIFICATES

- Certified as a Full-Passer in the Fundamental Information Technology Engineer Examination (FE), **ITEE Exam**, October 2023.
- Secured **1010th position** in the **CodeJam Farewell Round A, 2023**.

WORK EXPERIENCE

Developed **BillForge**, an Automatic Bill Generator App for teachers, as part of a departmental project for KUET.

SKILLS

- **Programming Languages:** Python, Java, C++, PHP, Swift
- **Machine Learning:** Supervised/Unsupervised Learning, NLP, Model Optimization
- **Frameworks & Tools:** TensorFlow, PyTorch, Flask, HuggingFace
- **Database Management:** MySQL, Firebase, Oracle SQL
- **Version Control & CI:** Git, GitHub
- **Other Tools:** Jupyter Notebooks, PL/SQL
- **Design Tools:** AutoCAD, Adobe Photoshop, Adobe Illustrator
- **Development:** Android Development, iOS Development, Web Development (Laravel)

PROJECTS

- **BillForge**: Automatic Bill Generator App (Selected as one of the **best innovative ideas by KUET**, 2024). This Python app extracts data from large .docx files, applies OOP concepts to structure the data, and generates individual bills for teachers in .xls format.
- **University of Oxford Management System** (**Android App**) Includes admin, teacher, and student panels for essential activities with Firebase login and integrated chat functionality.
- **University of Oxford Management System** (**Website using Laravel**) Includes admin, teacher, and student panels for essential activities (Apply for varsity, Result publish etc.).
- **Cardiac Recorder**: **Android app** for monitoring and logging cardiac health metrics.
- **Bluetooth Car Controlling**: Controlled a car using **ESP32 via Bluetooth** communication.
- **University Management System**: A lightweight, command-line tool developed in C Language for managing university operations.
- **DayOptimizer : iOS app** built using Swift that provides note-taking capabilities and real-time weather forecasts through public weather APIs.
- **Backgammon Game: AI-powered Python app** implementing game theory techniques such as heuristic search, alpha-beta pruning, and fuzzy logic.
- **Compiler-Project:** Developed a **new programming language** using **Flex and Bison.**

RESEARCH INTERESTS

- Natural Language Processing (NLP): Language models, text generation, and debiasing frameworks.
- Named Entity Recognition for Bangla Text Using Transformers. (work in progress)
- Human-computer interaction and automation through machine learning techniques.
- AI ethics and exploring advancements in deep learning.

EXTRACURRICULAR ACTIVITIES & ACHIEVEMENTS

- Intra-College **Debating Champion**, 2019, Holyland College, Dinajpur.
- Obtained **5th position** in the Chemistry Olympiad (Rangpur Division), 2019.
- **Treasurer**, Hardware Acceleration Club of KUET (2023-2024).
- **Class Representative**, Final Year, 2024.

REFERENCES

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