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| **SWARAJ CHANDRA BISWAS**  Dinajpur, Rangpur, Bangladesh  E-mail: [swarajchbiswas44@email.com](mailto:swarajchbiswas44@email.com),  [biswas1907069@stud.kuet.ac.bd](mailto:biswas1907069@stud.kuet.ac.bd)  Cell-Phone: +8801521769247 |
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| [GitHub](https://github.com/Swaraj44)[LinkedIn](https://linkedin.com/in/swaraj-chandra-biswas-1aa3aa204/)[ResearchGate](https://researchgate.net/profile/Swaraj-Chandra-Biswas)[Stopstalk](https://www.stopstalk.com/user/profile/Swaraj66) |

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| * 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**:](https://github.com/Swaraj44/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**](https://github.com/Swaraj44/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**](https://github.com/Swaraj44/webProjectF1)(**Website using Laravel**) Includes admin, teacher, and student panels for essential activities (Apply for varsity, Result publish etc.).
* [**Cardiac Recorder**](https://github.com/Swaraj44/CardiacRecorder): **Android app** for monitoring and logging cardiac health metrics.
* [**Bluetooth Car Controlling**](https://github.com/Swaraj44/Bluetooth-Car-Controlling-with-ESP32): Controlled a car using **ESP32 via Bluetooth** communication.
* [**University Management System**](https://github.com/Swaraj44/University-Management-System): A lightweight, command-line tool developed in C Language for managing university operations.
* [**DayOptimizer**](https://github.com/Swaraj44/iOS-Project---Day-Optimizer) **:** **iOS app** built using Swift that provides note-taking capabilities and real-time weather forecasts through public weather APIs.
* [**Backgammon Game**](https://github.com/Swaraj44/Backgammon-Game)**: AI-powered Python app** implementing game theory techniques such as heuristic search, alpha-beta pruning, and fuzzy logic.
* [**Compiler-Project:**](https://github.com/Swaraj44/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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| **Dr. K. M. Azharul Hasan**  Professor  Department of Computer Science and Engineering  Khulna University of Engineering & Technology (KUET) Khulna –9203, Bangladesh.  Phone: +880-41-769471 Ext. 355 (Personal) 350 (Office)  Mobile: +880-1714087273  Fax: +880-41-774403  Email: az@cse.kuet.ac.bd,azhasan@gmail.com  Website: https://www.kuet.ac.bd/cse/azhasan/ |