SOMDYUTI SARKAR

BMS COLLEGE OF ENGINEERING — USN: 1BM19IS223

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INFORMATION SCIENCE ENGINEERING (BE 2023)

EDUCATION

Bachelor of Information Science and Engineering, BMS College of Engineering   2019 - 2023
CGPA: 9.28 (6th semester)

ISC, Mary Immaculate School   2016 - 2018
Marks: 92.8

ICSE, Mary Immaculate School   2016
Marks: 96.8

EXPERIENCE

Neuropixel.Ai: (SDE intern) Developed a simple UI for internal data display purpose using HTML, CSS, JavaScript, Bootstrap, PHP and MySQL. Worked on building an image database system.   Jan 2023 - Feb 2023

Akamai Technologies: (Summer intern) Developed an end-to-end Jenkins job using advanced python concepts and PERL for automated performance testing for sandbox development.   Sep 2022 - Nov 2022

Amazon: (Research intern at Industry collaboration of BMSCE with Amazon) Worked on multilingual BERT model for Amazon MASSIVE dataset for intent classification and slot filling, using transfer learning techniques, under senior data scientists of Amazon.   May 2022 - Jul 2022

Samsung SRIB: (Research And Development Intern at SAMSUNG Prism project) Worked on speech processing and development of Automatic Speech recognition with emotion preservation Model. Awarded with certificate of excellence and prize money.   May 2021 - Jan 2022

Central Sericulture Research Training Institute Berhampore: (Machine Learning Intern) Review work on sericulture automation using Artificial Intelligence, Machine Learning and cloud computing, at a premier central government institution. Paper accepted for ICDAL'22 and will be published in Springer.   Aug 2021 - Mar 2022

Unisys: (Intern) Edge driven, IoT based, intelligent biometric system using facial recognition for restricted access control in commercial establishments (Team-lead at Unisys Cloud 20/20 y12, and secured pre-finalist position (top 10 nationally)). Paper link: https://ieeexplore.ieee.org/document/9792659   Dec 2020 - Apr 2021

PROJECTS

Console based Quiz application and result generation system using advanced python concepts like NumPy, Pandas, file systems and database management.

Simple shopping Website using HTML, CSS, JavaScript, Bootstrap, PHP, and SQL with a database for signup/login and an interactive user interface for buying products.

Project on Object oriented programming with C++ implementing Greedy algorithms like minimum coin change problem, graph coloring etc. using Object-oriented principles of Polymorphism, Inheritance, Abstraction and Encapsulation.

Institutional Website cum campus portal for faculty and student login (DBMS project using RDBMS) covering normalization concepts.

Depression and anxiety detection system using different Machine learning techniques.

SKILLS

Languages: C/C++, Java, Python basics, Advanced python(NumPy, Pandas) HTML, CSS, PHP, SQL, Bootstrap, JavaScript, PERL.
Technical skills: Full stack engineering, Web Development, Machine learning(beginner).
Courses: Programming and Data Structures, Algorithms Design Analysis, Problem solving, Software Engineering, Jenkins, Object-oriented programming, Database Management System, Linux.
Others: JupyterNotebook.