Somthirtha Bhowmik

ASPIRING SOFTWARE ENGINEER WITH KEEN INTEREST IN MACHINE LEARNING AND FULL STACK DEVELOPMENT

Motivated and adaptable student seeking an entry level technical role at an organization. Eager to contribute to innovative projects, collaborate with dynamic teams and develop expertise in current technologies. Willing to commit to delivering my constant best towards the organization's success. Eager to leverage my foundations in data science and software engineering.

Contact

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Email
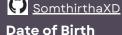somthirtha.bhowmik.2001@gmail.com

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Date of Birth
February 21, 2001

Education

2022-2024
Master of Computer Application
Heritage Institute of Technology, MAKAUT, Kolkata, West Bengal
YGPA: 9.28/10.0

2019-2022
Bachelor of Science (Honours) in Computer Science
Asutosh College, University of Calcutta, Kolkata, West bengal
CGPA: 8.357/10.0

Technical Skills

Core Java

Python (Numpy, Pandas, Matplotlib, OpenCV)

Data Structures, OOPs

SQL(MySQL, PL/SQL), **NOSQL**(MongoDB)

Machine Learning and Deep Learning (Sklearn, Tensorflow, Keras)

Javascript (React.js, Node.js), **PHP**

HTML5, CSS, Bootstrap

Languages

English (Proficient and Fluent)

Hindi (Proficient and Fluent)

Bengali (Native)

Soft Skills

Technical Problem Solving
Time Management
Teamwork and Leadership
Communication

Projects

August 2023 - Ongoing
Text Prompt to Image Synthesis using StackGAN
(Academic) Heritage Institute of Technology, MAKAUT
Dual subsequent deep **Conditional Generative Adversarial Network** models, implemented using **Tensorflow**, expected to synthesize unseen images based on a given textual prompt embedded and conditioned using **Conditional Augmentation** technique

December 2021 - March 2022
Copy Move Image Forgery Detection in Digital Images
(Academic) Asutosh College, University of Calcutta
Block based approach of detecting and marking regions of true plain copy move image forgery in colored digital images using **OpenCV** and **Matplotlib**

October 2022 - December 2022
Email Classification Web Application
(Organization - Internship Training) Ardent Computech Pvt. Ltd.
Classification of a processed and **CountVectorized** email text embedding fetched from a web interface using the **Multinomial Naive Bayes Classifier** from **Sklearn** library

August 2023 - Ongoing
College Canteen Management System
(Academic) Heritage Institute of Technology
Responsive website designed using **HTML-CSS-Bootstrap-JavaScript** for frontend and **PHP-MySQL** for backend. Showcases features such as user registration and login, admin control over users and menu and a fully functional cart system

March 2023 - April 2023
WeatherHub: City Weather Display Web Application
(Non-academic)
Web Application fetching a city name from the user interface and returning weather conditions of the city using the **OpenWeatherMap API**. Uses **ExpressJS**

August 2023
Groceries Stock Level Predicting Regression Model
(Organization) Cognizant Virtual Internship Experience - Forage
A **regression model** built using **Random Forest Regressor** of **Sklearn** library in **Python** to predict correct stock levels of groceries to optimize sales based on provided datasets. Also detects and plots important features for prediction. Consists of **Exploratory Data Analysis** and **Feature Engineering** of dataset

Certifications

Database Management System
NPTEL
Never Expires - Course Duration: 6 months

(Industrial Internship) Data Science, Artificial Intelligence and Machine Learning using Python
Ardent Computech Pvt. Ltd.
Never Expires - Training Duration: 4 months

Java Programming Masterclass
Udemy
Never Expires - Course Duration: 115 hours