NIPA DAS GUPTA

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EDUCATION

Nilai University   Nilai, Negeri Sembilan
BSc in Software Engineering (Honours)   Jan 2022
• Dean's List, GPA 3.71
• Recipient of Best Student Award 2023
• Relevant Coursework: Object-oriented programming, Data Structures and Algorithms, Discrete Mathematics

Chittagong Engineering University School & College   Raozan, Chittagong
Higher Secondary School Certificate   August 2015
• GPA: 4.17

Raozan R. R. A. C. Model High School   Raozan, Chittagong
Secondary School Certificate   May 2013
• GPA: 5.00
• Recipient of Certificate of Merit by Raozan Club 2013

WORK EXPERIENCE

Xendity Sdn Bhd, Selangor, Malaysia
Machine Learning Engineer Intern   June 2022 - Sept 2022
• Enhanced e-KYC document verification processes through meticulous evaluation and optimization of face detection models, focusing on accuracy and speed.

PROJECT EXPERIENCE

Detect Driver Drowsiness Face Expression Using Convolutional Neural Networks   Oct 2020 - Oct 2021
• Utilized Python to develop a supervised deep learning model for a drowsiness detection system using techniques such as SSD Mobile Net V2 to predict drowsy driver on 1.83 GB of the unstructured dataset using TensorFlow Object Detection API, which accomplished total precision and recall by approximately 88%. Training and testing were implemented in the Jupyter Notebook.

SKILLS

• **Programming Language & Aptitudes:** Python, SQL, C, C++, and Java.
• **Technologies:** Visual Studio Code, MS Excel, and Git.

PUBLICATIONS

Gupta, N. D., Rajoo, R., & Jacob, P. J. (2023). Driver drowsiness detection system through facial expression using Convolutional Neural Networks (CNN). Malaysian Journal of Computing (MJoC), 8(1), 1375-1387

LEADERSHIP EXPERIENCE

Nilai University Student Council   Nilai, Negeri Sembilan
Publicity and Communication Representative   Oct 2019 – July 2021
• Spearheaded communication strategies, enhancing campus-wide student engagement.

GRANTS AND AWARDS

• Best Presenter Award, International Conference on Science, Technology, and Social Sciences, 2022
• Software Engineer Virtual Experience Program Award from Quantium, 2022
• Completed Software Engineer Virtual Experience from JPMorgan Chase & Co., 2022
• International Sports Award Scholarship, Nilai University, 2018