

NIPA DAS GUPTA

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EDUCATION

Nilai University

BSc in Software Engineering (Honours)

- Dean's List, GPA 3.71
- Recipient of Best Student Award 2023
- Relevant Coursework: Object-oriented programming, Data Structures and Algorithms, Discrete Mathematics

Nilai, Negeri Sembilan

Nov 2022

Chittagong Engineering University School & College

Higher Secondary Certificate

- GPA: 4.17

Raozan, Chittagong

August 2015

Raozan R. R. A. C. Model High School

Secondary School Certificate

- GPA: 5.00

Raozan, Chittagong

May 2013

WORK EXPERIENCE

Xendity Sdn Bhd

Machine Learning Engineer Intern

- Enhanced e-KYC document verification processes through meticulous evaluation and optimization of face detection models, focusing on accuracy and speed.

Selangor, Malaysia

June 2022 - Sept 2022

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

Publicity and Communication Representative

- Spearheaded communication strategies, enhancing campus-wide student engagement.

Nilai, Negeri Sembilan

Oct 2019 – July 2021

GRANTS AND AWARDS

- Best Presenter Award, International Conference on Science, Technology, and Social Sciences, 2022
- Software Engineer Virtual Experience Program Award, Quantum, 2022
- Completed Software Engineer Virtual Experience from JPMorgan Chase & Co., 2022
- International Sports Award Scholarship, Nilai University, 2018
- Certificate of Merit, Raozan Club, 2013