

# 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 School 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