NIPA DAS GUPTA

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EDUCATION

Nilai University   Nilai, Negeri Sembilan

BSc in Software Engineering (Honours)   *Oct 2018 - Jan 2022*

• Relevant Coursework: Software Project Management, Data Structures and Algorithms, Discrete Mathematics

• Cumulative GPA: 3.71/4.00

Chittagong Engineering University School & College   Raozan, Chittagong

Higher Secondary School Certificate   *Aug 2013 - July 2015*

• Cumulative GPA: 4.17/5.00

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

Secondary School Certificate   *Jan 2011 - May 2013*

• Cumulative GPA: 5.00/5.00

WORK EXPERIENCE

Machine Learning Engineer Intern, Xendity Sdn Bhd, Selangor (Malaysia)   *June 2022 - Sept 2022*

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

PROJECTS

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++, Java, HTML, JavaScript, CSS, PHP

• **Technologies:** Visual Studio Code, Git

ACADEMIC PAPERS AND CONFERENCES

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 AND AWARDS

• Best Student Award, Nilai University, 2023

• 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

• Hosted Undergraduate Research Conference, Nilai University, 2020

• Dean's List, 2019 - 2020

• Publicity and Communication Representative, Student Council, 2019 - 2020

• Usher, Nilai University Convocation Ceremony, 2019

• International Sports Award Scholarship, Nilai University, 2018