

# NIPA DAS GUPTA

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## EDUCATION

### Nilai University

Bachelor in Software Engineering (Honours)

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

Nilai, Negeri Sembilan

*Oct 2018 - Jan 2022*

### Chittagong Engineering University School & College

Higher Secondary School Certificate

• Cumulative GPA: 4.17/5.00

Raozan, Chattogram

*Aug 2013 - July 2015*

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

Secondary School Certificate

• Cumulative GPA: 5.00/5.00

Raozan, Chattogram

*Jan 2011 - May 2013*

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## SKILLS

• **Programming Language & Aptitudes:** Python, C, C++, Java, HTML, JavaScript, CSS, PHP, Microsoft Office Suite

• **Technologies:** Visual Studio Code, Git, SQL, OOP, OOD

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## PROFESSIONAL EXPERIENCE

### Machine Learning Engineer Intern, Xendity Sdn Bhd, Selangor (Malaysia)

*June 2022 - Sept 2022*

• Implemented and evaluated machine learning models for face detection and face recognition based on e-KYC documents.

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## PROJECTS

### Detect Driver Drowsiness Face Expression Using Convolutional Neural Networks (CNNs)

*Oct 2020 - Oct 2021*

• Utilized Python to develop a supervised machine learning drowsiness detection system model 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 & recall by approximately 88%. Training and testing were implemented on Jupyter Notebook.

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## LEADERSHIP AND AWARDS

• Received Best Presenter Award at the International Conference on Research and Practices in Science, Technology and Social Sciences 2022 (I-CRest 2022) and issued by UiTM Malaysia, 2022

• Earned Software Engineer Virtual Experience Program Award from Quantum and issued by Forge, 2022

• Completed Software Engineer Virtual Experience Award from JPMorgan Chase & Co. and issued by Forge, 2022

• Hosted Undergraduate Research Conference at Nilai University in 2020

• Awarded in Dean's List (twice), 2019 – 2020

• Operated as a Publicity and Communication Representative of the Student Representative Council, 2019 – 2020

• Emceed Orientation Counsellor, 2019

• Contributed Usher for Nilai University Convocation Ceremony, 2019

• Volunteered for Beach Clean Up, 2019

• Volunteered for Clean-up Garbage, 2019

• Participated for Pesta Sains Negeri Sembilan, 2019

• Earned International Sports Award Scholarship from Nilai University – 50% off 1st-year tuition fee, 2018

**Hobbies/Interests:** TED Talks, Human Rights, Science & Technology