# V.N Aasrit Durbha

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## Personal Statement

A result driven student looking to expand my knowledge and skills with any given task. Extremely curious and willing to take on challenges in order to expand my knowledge in this ever evolving computing and business centric industry. Very passionate to face and solve any challenges that come my way. Aims for perfection in any task, extremely patient and able to multitask under pressure.

## Education

Year 2 in Computer Science, UWE Bristol, Bristol, United Kingdom (August 2022 -  Present)
*Relevant coursework: Group Project for a Restaurant Management System.*
*Genetic Algorithm to solve Complex Math Equations.*
*Travels Website with working payment method.*

Foundation Certificate in Science and Engineering (August 2021)

Graduated Senior High School, MES Indian School, Doha, Qatar (March 2018 - April 2020)
*Physics, Mathematics, Chemistry and Engineering Drawing*

## Skills

**Programming Languages:** Python, Java, C++, C#, C
**Web Development:** HTML, REACTjs, JavaScript
**Databases:** MySQL
**Software & Tools**: Visual Studio Code, Xcode, Jupyter Notebook
**Problem-Solving:** Critical Thinking, Decision Making and Information Processing, Time Management, Communication Skills, Ability to adapt.

## Projects

**ML Integrated into Triage System** - Developed a triage system which prioritizes the treatment of the patients based on the severity of the patient's conditions.
**Data Preprocessing (**Simple Imputer**), Machine Learning Modeling** (Random Forest Classifier), **Data Handling with Pandas**, **Problem-solving and Debugging** were the major aspects used and valuable skills learnt throughout the project.

**Restaurant Management System** - A restaurant management system to manage a chain of restaurants, staff and inventory for each branch at a certain location, Designer, GUI design and database using **Tkinter**, **Python**, **MySQL**.

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**Travels Website** - Developed a full-fledged travel website used to plan and book flight tickets using **REACTjs**, used **Python** to develop the backend part and encrypted the password using **hashlib** in order to have a smooth and secure user experience. The website also has a concurrent booking system and the database was done in **MySQL**  in the Fourth Normal Form (4NF).

**Genetic Algorithm** - Developed a Genetic Algorithm using **Python**, **numpy** and **pyplot** to find the best possible solution for a given variable in a complex math equation.

**ChatBot** - Developed an AI chatbot to answer a list of 40 questions using **XML**.