



Registration Number: 20BCE11023

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# Shubh Pathak

**Technical Skills:** Python, Java, C++, SQL, Tensorflow, Git/Github, Jupyter, Google Colab, MS Azure, MS Excel, MS PowerPoint, Canva.

**Certification:** The SQL Programming Essentials 2022, Udemy, Nov 2022;

Python for Data Science, NPTEL, Sep 2022;

Applied Machine Learning in Python, Coursera, Nov 2021;

## EDUCATION

Board	Tenure	Educational institution	CGPA/Percentage
B. Tech (CSE)	Sept 2020 –Ongoing	Vellore Institute of Technology Bhopal	8.64/10
Class XII	2018-2020	Sunbeam English School , Varanasi	91.67%
Class X	2006-2018	St. John's School , Varanasi	93.33%

## ACADEMIC PROJECTS

Python	<b>Escort Amigo</b> <ul style="list-style-type: none"><li><b>Description:</b> Developed an automated travel recommendation system using python. Used APIs such as Google Maps, Google Translate, OpenWeatherMap, etc. to create useful functionalities. Extracted data from the web using the BeautifulSoup Module. Designed GUI for the application using the Tkinter library.</li><li><b>Technology:</b> Python, Tkinter, BeautifulSoup, OpenWeather API, Currency converter API.</li><li><b>Group Project</b></li><li><b>Role:</b> Created Geolocator module, Currency Converter module, Translator module and Train information module.</li></ul>
Machine Learning	<b>Crop Health Diagnosis using Deep Learning Techniques</b> <ul style="list-style-type: none"><li><b>Description:</b> A crop disease detector that utilizes deep learning to detect and identify diseases affecting crops using artificial neural networks. The model is trained on crop disease dataset and processes this data and learns to identify patterns that are associated with specific crop diseases.</li><li><b>Technology:</b> Python, Tensorflow, Keras, Numpy.</li><li><b>Individual Project</b></li></ul>

## INTERNSHIP EXPERIENCE

Spartificial Dec 2022- Ongoing	<b>Machine Learning Intern</b> <ul style="list-style-type: none"><li>This is a Research internship in the field of computer vision and natural language processing applied to Flickr80k dataset for Image captioning.</li><li>Using many advanced tools like python programming, deep learning using Keras and Tensorflow, data analysis, technical reporting, and visualizing the performance of the model.</li></ul>
Omdena (Chapter- Algeria) Sept 2022- Nov 2022	<b>Machine Learning Engineer</b> <ul style="list-style-type: none"><li>Working as Machine Learning Engineer, I contributed in the "Green Algeria Project: Building an Intelligent Control System for Greenhouses - Part 2" community project.</li><li>Used and learned techniques like Data collection, Data cleaning, Data preprocessing, Machine learning model building and deployment.</li></ul>

## EXTRACURRICULARS AND ACHIEVEMENTS

Achievements	<ul style="list-style-type: none"><li>Topper in Python for Data Science Nptel Course. Ranked amongst top 2% out of 5000 people giving the exam.</li><li>Got gold badge in Spartificial Artificial Intelligence for Lunar Exploration Training course.</li></ul>
Responsibilities	<ul style="list-style-type: none"><li>Tech Team Member, VIT Bhopal Omdena Chapter</li><li>Outreach Team Member, SEDs Nebula</li></ul>

## ADDITIONAL INFORMATION

Hobbies	<ul style="list-style-type: none"><li>Voracious Book Reader - Read mostly self-help fiction and non-fiction titles.</li><li>Swimming - 1st position in inter-city swimming competition.</li></ul>
Languages	<ul style="list-style-type: none"><li>English</li><li>Hindi</li></ul>