| **CURRICULUM VITAE**  **SOUMYA MOHANTY | Masters in Information and Technology Management** , **BHUBANESWAR** |  |
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| **CAREER OBJECTIVE** |
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To work in a challenging and motivating environment , where I can contribute to the successful growth of the organization with the knowledge that I have and in turn improve my personal and professional skill as well .

| **EDUCATIONAL QUALIFICATIONS** | | | |
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| **Course Name** | **Year of passing** | **Institute / College Name** | **Percentage** | |
| 10th (ICSE) | **2012** | **Saint Mary’s Convent School , Birmitrapur** | **72%** | |
| 12th (Science) | **2014** | **KIIT Science College , Bhubaneswar** | **64.25%** | |
| Bachelor’s degree in Mathematics with Computer Science | **2017** | **Government Autonomous College , Rourkela** | **68 %** | |
| Masters in Information and Technology Management | 2021 | Ravenshaw University | 69.25% | |

| **CORE TECH SKILLS** |
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| * **Programming Language** : **Python (**variables , datatypes , operators , typecasting , strings , operators , decision making and loops , functions , arrays , class and objects , inheritance , iterator , JSON , RegEx , Pip , exception handling , file handling , GUI (Tkinter) ) * **Database** : MySQL |

| **COURSE** |
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| **Python Certification Course from Naresh I Technologies , Hyderabad** |

| **MINI PROJECT 1** |
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| **Project Description :** Covid 19 has affected people’s lives in many ways all over the world . So monitoring the evolution of COVID-19 cases is of utmost importance for the authorities to make informed policy decisions (e.g., lock-downs), and to raise awareness in the general public for taking appropriate public health measures . Basically , it is a data analysis project of COVID-19 , analysing history of covid cases .  **Operating Systems :** Windows 11  **Environment :** Python , MySQL  **Roles and Responsibility :**   1. Firstly I imported the module , established the connection , created the cursor object then executed the query . 2. Then I created a table named National History . 3. For inserting more number of values that should be given as list of tuples I created a tuple and for that purpose I imported the module xlrd . 4. After that I gave the excel file location with (.xlsx) extension . 5. Then I opened the file and for that workbook() is the function that is available in xlrd module then I gave the file location . 6. Then I specified the index and index always starts from 0 . Cell value is always (0,0) . 7. Then for retrieving all the rows I used a function called row values. 8. As all the rows were in the form of a list so I used the tuple function to convert complete rows into tuple . Then for inserting more number of records I specified multiple records in the form of list of tuple . 9. Then I inserted values into their respective fields . In order to insert more number of records at a time execute many query is used . 10. Then after insertion I used commit() method to commit the query . 11. Lastly I closed the connection . |

| **MINI PROJECT 2** |
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| **Project Title :** Converting image to text to speech  **Project Description :** This is a simple project that extracts the text from the image . Stores the text into a text file . Then retrieves that text from the file and converts it into a speech .  **Environment :** Python  **Modules :**   1. Pytesseract : Python-tesseract is an optical character recognition(OCR) tool for python . It will recognize and “read” the text embedded in images . 2. Image : The image module provides a class with the same name which is used to represent a PIL image . It also provides a number of factory functions , including functions to load images from files and to create new images . 3. gTTS : gTTS(Google Text-To-Speech) , it is a Python library and CLI tool to interface with Google Translate’s text-to-speech API . 4. os : This OS module provides functions for interacting with the Operating system .   **Operating system :** Windows 11  **Roles And Responsibility :**     1. For this project I installed tesseract-ocr , it is an optical character recognition engine so that pytesseract can use this to extract text from the image . 2. Selected the image through which text is needed to be extracted . 3. Extracted the text and stored the text into a text file . 4. Then took the text from the text file . 5. Created a gTTS object and used the text and selected the language as English and selected slow = False because converted audio will have a high speed . 6. To open the audio file automatically , I have imported os os.system() |

| **MINI PROJECT 3** |
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| **Project Title :**  **C**onverting Speech to Text and Text to Speech  **Project Description :** Speech Recognition is useful in various appliances around us such as Google Assistant , Alexa , Cortona etc . Speech Recognition is an important feature in home automation , artificial intelligence etc . The objective of this project is to create a GUI - based text to speech and speech to text converter using python Tkinter , gtts , speech recognition and os modules .  **About Speech to Text Converters :**  Speech to text converters , convert spoken language to a text form . They are most useful when we have to constantly write a long document instantaneously without typing before we forget what to write .  **About Text to Speech Converters :**  Text to speech converters convert text into speech using various algorithms . Python Text to Speech converters operate via CLI only if we have an active internet connection , but in this project , I created a GUI python Text to Speech converter which can be operated offline as well .  **Environment :**  Python  **Modules :**  Speech Recognition , gTTS , tkinter , os  **Operating system :** Windows 11  **Roles And Responsibility :**   1. Firstly I imported various modules such as tkinter , Messagebox , gtts , speech\_recognition , os . 2. Then initialized tkinter window and placed all its components . 3. Created the backend speak () and record () functions . 4. Lastly , created the frontend TTS and STT and instruction functions that the buttons on the main window will navigate . |

| **PERSONAL DETAILS** | |
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| **Gender** | Female |
| **Marital Status** | Unmarried |
| **Nationality** | Indian |
| **Languages** | English , Hindi , Bengali |