**Dibyasha Mahapatra**

**Data Analyst/Scientist**

[LinkedIn Profile](https://www.linkedin.com/in/dibyasha-mahapatra-3b5a78229/)

(+91) 7653805501

[dibyasha9991@gmail.com](mailto:dibyasha9991@gmail.com)

A highly motivated and results-oriented computer science postgraduate with a data analytics and machine learning background. Proven ability to design, develop, and implement generative AI image generation and text generation models using Python libraries. Expertise in data preparation, feature engineering, and model training. Passionate about utilizing AI for innovation and problem-solving.

# SKILLS

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| * Python (Pandas, NumPy, SciPy, matplotlib) * SQL (SQL Server, MySQL, PostgreSQL) * Power BI (EDA) * Streamlit framework * Version Control: Git, Github and Gitlab | * Google Sheets / MS Excel * Image Preprocessing (OpenCV, pillow libraries, rembg) * Data Cleaning, Feature Engineering, Exploratory Data Analysis (EDA), Statistical Modeling * NLTK, gensim, beautifulsoup * Flask | * Machine Learning Algorithms: Supervised Learning, Unsupervised Learning * Deep Learning Frameworks: TensorFlow, Pytorch, * LLMs and Stable Diffusion models |

# PROFESSIONAL

## Digital University Kerala & Preciso Team, Trivandrum *- Generative AI Engineer,* 2023 - Present

Optimizing ad performance with dynamically generated, data-driven banners powered by Stable Diffusion from hugging face models. Fine-tuning the parameters for effective image generation and prompt engineering.

## Digital University Kerala, Trivandrum (IICG Intern) - *Research Intern*, 2022 - 2023

Contributed to develope an automated system for comprehensive spectral analysis of graphene samples by analyzing graphene's Raman, UV-Vis, and FTIR spectra, extracting key characteristics and insights with data visualization tools using Streamlit to make a user-friendly interface.

## Information Retrieval *- Self-Project*

Leveraged information retrieval techniques (Boolean queries, summarization, keyword extraction) and NLP libraries (nltk, re, gensim, BeautifulSoup) to build a FIFA World Cup data retrieval system. Enhanced effectiveness with TF-IDF and similarity analysis.

# EDUCATION

## *Kerala University of Digital Sciences, Innovation and Technology (Digital University Kerala), Trivandrum -Master’s In Computer Science with Specialization in Data Analytics CGPA 7.65*

OCT 2021 - JUN 2023

* ***Vikash Degree College, Sambalpur University, Bargarh Odisha -***  *Bachelor's In Science, Mathematics CGPA 9.17*

OCT 2017 - SEP 2020

* ***Meenakshi Public School*, *Higher Secondary School Certificate, Gurugram* -**  *Physics, Chemistry, Mathematics, English, Computer science PERCENTAGE 80%*  APR 2016 - MAR 2017
* ***Meenakshi Public School, Secondary School Certificate, Gurugram* -**  *CGPA 8.4*

APR 2014 - MAR 2015

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# ACHIEVEMENTS

## Courses

## Google Advanced Data Analytics- Pursuing

## [From Data to Insights with Google Cloud](https://coursera.org/share/9e7f41ba4a04844d561c92404c7c009b)

## [Data Science Math Skills](https://www.coursera.org/account/accomplishments/verify/YQLEA8R9DYZY)

## Research work achievements

* A. Radhakrishnan, D. Mahapatra, and A. James, "Consumer Document Analytical Accelerator Hardware,"doi: [10.1109/ACCESS.2023.3237463](https://ieeexplore.ieee.org/document/10018187/).
* D. Mahapatra, and A. James, “Natural Outlier Rejection with Shepherd's Psychometric Similarity Metric,”doi: [10.1109/ISCAS46773.2023.10182174](https://ieeexplore.ieee.org/document/10182174).

# PERSONAL INFORMATION

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| ***Name:*** *Dibyasha Mahapatra*  ***Date of Birth:*** *3rd August 1999*  ***Contacts:*** *9438136508 ℅ father*  ***Email Id:*** [*dibyasha.ds21@duk.ac.in*](mailto:dibyasha.ds21@duk.ac.in)*,*  [*mahapatradibyasha@gmail.com*](mailto:mahapatradibyasha@gmail.com)  ***Strengths:*** *Flexible, Detail-oriented and Dedicated*  ***Weakness:*** *Self-critical* | ***Residential Address****: Kerala University of Digital Sciences, Innovation and Technology (Digital University Kerala), Technocity Campus Mangalapuram Thonnakkal P.O, Kerala 695317*  ***Permanent Address****: Ward No.14, Master Tikira, Near Gandhi Public School, Bargarh, Odisha -768028* |

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# DECLARATION

The above information is accurate and to the best of my knowledge. Willing to relocate anywhere, and a reference can be submitted if required.

Dibyasha Mahapatra

(+91) 7653805501

Date:

Place: