Nitimoy Mondal

Research Software Developer

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Summary

○ Motivated individual with a strong aptitude for leadership and decision-making.
○ Passionate about Machine Learning and Artificial Intelligence.
○ Solid foundation in Computer Science, Machine Learning, Data Analytics, Database Management, and Cloud Computing.
○ Focused on developing machine-based prediction tools and web server applications.
○ Dedicated to leveraging technology to create innovative solutions.

Education

2024	**M.Tech in Computer Science & Engineering**, *Rajasthan Technical University Kota (RTU)*
2020	**Master of Computer Application (MCA)**, *Brainware University*
2016	**Bachelor of Computer Application (BCA)**, *Sikkim Manipal University*

Academic Projects

M.Tech Thesis	**Enzyme Classification and Predictions through Fractal Patterns: Chaos Game Representation**
MCA Thesis	**Developed a hybrid algorithm for word and character segmentation, using LSTM and CNN for recognition in Handwriting Recognition System project**
BCA Thesis	**Built a License Plate Detection and Recognition system using Deep Neural Network (DNN) and OpenCV, capable of recognizing Indian license plates**

Publications

1 miRNAProtPred: Pritam, Manisha, Dutta, Somenath, and Mondal, Nitimoy. "miRNAProtPred: a web tool for prediction of human miRNA associated with pathogens." (Publication in-house)
Website: `https://mirnaprotpred.com`

2 VaxiDB Pritam, Manisha, Dutta, Somenath, and Mondal, Nitimoy. "VaxiDB: Potential Antigens and Vaccine Candidate Database." (Publication in-house)
Website: `https://VaxiDB.com`

3 Mondal, Nitimoy, Sardar, Sudipta, Dutta, Somenath, Sharma, Ajay, kumar, Patel, Mayank "Enzyme Classification and Predictions through Fractal Patterns: Chaos Game Representation." (Publication in-house)

Technical Skills

Programming Languages	Python, C/C++, Java, JavaScript, SQL, HTML, CSS
IDEs	VS Code, PyCharm, IntelliJ IDEA, Jupyter
Frameworks	WordPress, FastAPI, Bootstrap, Flask
Databases	PostgreSQL, SQLite
Libraries	SQLAlchemy, SQLite3, BeautifulSoup, Selenium
Operating Systems	Windows, Linux, macOS
Other Skills	Servers Management

Commercial Projects

MatriProperties Website	`https://matriproperties.com/`
Dev Constructions	`https://devconstructions.in`
Sun Dimension	`https://sundimension.com/`
DaisyDew Website	`https://daisydew.in/`
World King Pest Control Website and CRM	`https://worldkingpestcontrol.com/`
Laxmi RealEstate	`https://laxmirealestate.com/`

References

1. Prof. Mayank Patel, Head of the Department, Department of Computer Science and Engineering, Geetanjali Institute of Technical Studies, Rajasthan Technical University, Rajasthan, India. Email: mayank999udaipur@yahoo.com

2. Dr. Ajay Kumar Sharma, Associate Professor, Department of Computer Science and Engineering, Geetanjali Institute of Technical Studies, Rajasthan Technical University, Rajasthan, India (M.Tech Thesis Advisor). Email: profsharmaak@gmail.com

3. Dr. Manisha Pritam, Post Doctoral Fellow, National Institute of Allergy and Infectious Diseases, National Institutes of Health, United States (Principal Investigator of miRNAProtPred Project). Email: manishapritam12@gmail.com

Declaration

I, Nitimoy Mondal, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.