# CANDIDATE'S DECLARATION

We **Mili Srivastava (205433)** and **Rachit Bharadwaj (205445)** students of B.Tech. (InformationTechnology) at Uma Nath Singh Institute of Engineering and Technology, VBS Purvanchal University, Jaunpur, declare that the work presented in this Synopsis Report titled **"Web 3.0 and Blockchain Based Decentralized Social Connectivity Web Application"** submitted to the **Department of Information Technology** for the award of Bachelor of Technology degree in Information Technology. All the work done in this synopsis report is our own except for the quoted reference. To the best of our knowledge, this work has not been submitted to any other university or Institution for the award of any degree.

Date:

Place: UNSIET, Jaunpur

**Student's Name**

Mili Srivastava (205433)

Rachit Bharadwaj (205445)

**B.Tech. (IT)**

# CERTIFICATE

It is certified that this synopsis report entitled "**Web 3.0 and Blockchain Based Decentralized Social Connectivity Web Application**", submitted by Mili Srivastava and Rachit Bharadwaj in partial fulfillment of the requirement for the award of Bachelor of Technology in Information Technology degree from VBS Purvanchal University, Jaunpur, is a record of students own study carried under my supervision. This Synopsis report has not been submitted to any other university or institution for the award of any degree.

**Project Guide**

Mr. Pravin Kumar Pandey

(Assistant Professor)

Date:

Place: UNSIET, Jaunpur

# ACKNOWLEDGEMENT

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# ABSTRACT

The "**Web 3.0 and Blockchain Based Decentralized Social Connectivity Web Application**" project presents a groundbreaking approach to social networking by leveraging decentralized technologies. Developed with Next.js for the frontend, Solidity for Ethereum smart contracts, MongoDB for user data management, and IPFS for decentralized storage, the platform prioritizes user privacy, security, and data ownership. Users can register, create and edit posts with IPFS integration, engage in social interactions, send messages, and manage profiles. The application's decentralized nature, driven by IPFS and Ethereum smart contracts, ensures tamper-resistant content storage and trustless transactions. The project aims to address the shortcomings of centralized social media, offering a decentralized alternative that empowers users and embraces the principles of transparency, security, and user control.

This decentralized social media web application not only addresses current challenges but also positions itself for scalability and future innovation. The modular architecture built with Next.js allows for seamless scalability of the front-end, ensuring a responsive and dynamic user interface as the platform grows. The integration of Ethereum smart contracts provides a foundation for potential future functionalities, including the implementation of decentralized autonomous organizations (DAOs) and novel token-based incentives, fostering a community-driven ecosystem.

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