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Bishnu Thapa

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Passionate Electrical Engineering enthusiast with strong skills in database, blockchain technology, and seeking to advance knowledge and innovation in renewable energy and clean technologies.

INTERNSHIP EXPERIENCES

- Cognizant** (*Database Tech Application Maintenance*) March, 2023
- Participated in the design and implementation of database schemas and structures.
 - Performed MSSQL Server administration tasks, including database installation, configuration, backup and recovery, and user management
- Websurfer Nepal** (*Transmission*) November, 2023
- Assisted in the planning and implementation of optical fiber transmission systems.
 - Contributed to the optimization of network performance and reliability.
- Koinon.Tech** (*Blockchain Developer and Cloud Administrator*) Jan, 2024
- Developed smart contracts and decentralized applications using Solidity which mint NFTs.
 - Implemented front-end components and functionalities using Next.js, JavaScript, and React.
 - Managed cloud infrastructure on AWS and Azure, ensuring scalability and performance.

PROJECT

- Soiling Loss on Photovoltaic Modules with Artificially Deposited Dust of Different Gravimetric Densities and Compositions Collected from Different Countries.** (*Thesis*) June, 2023
- Designed and executed experiments to artificially deposit dust on photovoltaic modules.
 - Analyzed and compared the impact of dust from different countries on solar panel efficiency.
 - Collaborated with a diverse team to gather and process data, contributing to a comprehensive understanding of soiling loss factors.
- Automatic Room Light Controller using IR Sensor** (*Arduino*) September, 2022
- Developed a hardware setup comprising Arduino Uno, IR sensor, and a relay module.
 - Programmed the Arduino to detect human presence using the IR sensor and control the room lights accordingly.
 - Gained hands-on experience in electronics, microcontroller programming, and sensor integration
- HospitalityNFT** (*NextJs Solidity*) Jan, 2024
- Developed a decentralized application for hotel room bookings on the Polygon mainnet, utilizing Next.js and Solidity.
 - Implemented NFT generation for each booking, incorporating the hotel's logo into the NFT.
 - Enabled users to make bookings for specific dates, with each booking resulting in the creation of a unique NFT.

EDUCATION

- B. Tech. in Electrical and Electronics Engineering**, *Faculty of Engineering and Technology - Jain University* August 2019 - June 2023
Bangalore, India
- Average CGPA: 8.61/10
- Intermediate in Science**, *Pentagon International College* July 2017 - June 2019
Kathmandu, Nepal
- GPA: 3.39/4

SKILLS

Programming Languages	Java , Javascript
Software	MATLAB Simulation
Interest	Electrical Vehicle, Renewable Energy, Blockchain Technology
Databases, Warehouse	Snowflake, MySQL, MSSQL Server Admin
Soft Skills	Leadership, Event Management, Public Speaking, Problem-solving, multi-lingual

HONORS AND AWARDS

- Awarded 100% Study In India(SII) Scholarship to pursue B.Tech in ELectrical and ELelectronics Engineering by Ministry of Education (MoE), Government of India August, 2019
- Graduated with Gold Medal in Electrical and Electronics Engineering, Faculty of Engineering and Technology - Jain University Aug 2019 - Jun 2023