



Mukesh Kumar Shah

Roll No.: 2020KUCP1134

Computer Science and Engineering

B. Tech

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EDUCATION

- Indian Institute of Information Technology, Kota** 2024
B. Tech in Computer Science and Engineering CGPA: 7.20
- Govt. Excellence H. S. School Waidhan, Singrauli (M.P.)** 2019
Class-12th, Madhya Pradesh Board of Secondary Education Percentage: 83.8
- Govt. Excellence H. S. School Waidhan, Singrauli (M.P.)** 2017
Class-10th, Madhya Pradesh Board of Secondary Education Percentage: 88

EXPERIENCE

- Course Hero** 04/2023 - 07/2023
Tutor Expert Remote
1. Tutored and mentored students on the Course Hero platform, successfully addressing over 300 complex questions across 21 diverse subjects within just 4 months.
2. Demonstrated expertise as a tutor expert by delivering comprehensive solutions and guidance to students across a range of computer science topics.

PERSONAL PROJECTS

- Pathological Image Classification [GitHub Repository](#) | [Google Colab](#) | [PPT](#)** 03/2023 - 05/2023
Blockchain and Cloud-Assisted Secure Deep Feature Classification Framework for Pathology Images
1. Leveraged technologies such as Blockchain, Deep Learning Frameworks, Cloud Computing Platforms (Google Colab, IPFS), and MetaMask
2. Conceptualized a seamless workflow for transmitting pathological images using smart contracts and Metamask to Pinata and IPFS.
3. Employed sophisticated deep learning models (CNN, VGG16, MobileNet) for retrieving and classifying the images.
4. Implemented an efficient and robust image classification and analysis process, ensuring accurate and reliable results in medical pathology.
5. Focused on the **BreakHis 400X** dataset for breast cancer classification, demonstrating a successful methodology to determine cancer presence.
- Remote Monitoring and Home Security System [Research Paper](#) | [Implementation](#) | [PPT](#)** 11/2022 - 12/2022
Automated Home Security System with Neighbor Notification
1. Utilized Arduino Uno, Node MCU ESP8266, PIR Sensor, ThingSpeak, and Buzzer for project development.
2. Developed a home security system with automated neighbor notification through a buzzer alarm upon detecting unusual movement.
3. Employed a sophisticated Passive Infrared (PIR) sensor to track and detect anomalous movements, thereby enhancing the precision and effectiveness of home security monitoring.
4. Executed a complete simulation of the Smart Home Security System within the Autodesk Tinkercad environment.

TECHNICAL SKILLS AND INTERESTS

- Languages:** C/C++, Python, HTML, CSS, Solidity, JavaScript
- Developer Tools:** VS Code, GitHub, Google Colab
- Frameworks:** React, NodeJs
- Cloud/Databases:** Pinata, Smart Contracts
- Soft Skills:** Leadership, Teamwork, Discipline, Presentation skills, Observation skills, communication
- Coursework:** Database Management System, Object-Oriented Programming, Data Structures and Algorithms, Operating System, Computer Network, Artificial Intelligence
- Areas of Interest:** Blockchain Technology, Web Development

ACHIEVEMENTS

- Achieved a 4-star rating in C/C++ proficiency through coding challenges on [HackerRank](#).
- Completed a one-month web development course specializing in CSS and HTML. [Certificate](#)
- Attained a 2-star CodeChef rating with the highest contest rating of 1492. [Link](#)
- Successfully solved 350+ coding questions, showcasing strong algorithmic skills, [LeetCode](#) [GeeksforGeeks](#).