Smita Shinde

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EDUCATION

- **Bachelor of Engineering (B.E) in Computer Science and Engineering (Hons.) Specializing in Internet of Things (IOT)**
  Chandigarh University, Gharuan, Punjab 8.22 CGPA | (Aug '20 – Jun '24)

- **Intermediate (MSBSHSE)**
  Sharadabai Pawar Mahila Mahavidyalaya, Baramati, Pune. (PCMB) 67. 54% | 2019 - 2020

- **Matriculation (MSBSHSE)**
  Nutan Marathi Madhyamik Vidyalaya, Mangalwedha, Solapur. 90.40% | 2017-2018

PROJECTS

- **Domain – Internet of Things | Design and Implementation of a Real-Time ECG Monitoring System using Diligent analog Discovery Board and LabVIEW | Jan 2024 - Present**
  (Raspberry Pi , MQ2, PIR, DHT11 , Python, Thinkspeak, IFTTT)
  - Developed a Smart Home Electrical System using Raspberry Pi 3, PIR sensor, DHT11, and MQ2 gas sensor.
  - Automated lighting with a PIR sensor, triggered a buzzer for gas detection and activated a fan based on temperature.
  - Created a user-friendly MQTT dashboard for manual control and a mobile app for remote automation.
  - Implemented data transmission to ThingSpeak for real-time monitoring and tracking.

- **Domain – Internet of Things | Smart Home Electrical System | Aug 23 – Nov 23**
  (Raspberry Pi , MQ2, PIR, DHT11 , Python, Thinkspeak, IFTTT)
  - Developed a Smart Home Electrical System using Raspberry Pi 3, PIR sensor, DHT11, and MQ2 gas sensor.
  - Automated lighting with a PIR sensor, triggered a buzzer for gas detection and activated a fan based on temperature.
  - Created a user-friendly MQTT dashboard for manual control and a mobile app for remote automation.
  - Implemented data transmission to ThingSpeak for real-time monitoring and tracking.

- **Domain – Machine Learning | Face Gender Detection**
  (*Python, OpenCV, Machine Learning Algorithms, Flask, HTML CSS, and bootstrap)* | Feb – May 2023
  - Implemented a robust face recognition web app using Python, OpenCV, and Flask.
  - Employed Eigenfaces with PCA for dimensionality reduction and trained an SVM model for accurate face recognition. Created a user-friendly web interface with Flask, Jinja templates, HTML, CSS, and integrated a pipeline model for real-time face recognition.

- **Domain – Internet of Things | A Smart Fingerprint Biometric System for Authentication** *(Raspberry Pi , R307 Fingerprint Sensor, Python)* **Feb – May 23**
  - Developed a secure biometric authentication system using Raspberry Pi and R307 fingerprint sensor for accurate user identification and preventing unauthorized access.
  - Leveraged Python programming to enable real-time recognition and authentication, while incorporating features like user management and logging to enhance functionality.

- **Domain – Internet of Things | Online E-Rickshaw Tracking System |Aug 2022 – Dec 2022**
  (Node MCU, IR Sensor, Google Firebase, MIT App Inventor, C++)

- Formulated an IoT-based system using GPS modules and Node MCU controller to provide real-time information on e-rickshaw location and seat availability.
- Enabled users to easily determine electric rickshaw availability by checking occupancy status and optimizing fleet management and passenger transport services

▪ **Domain – Internet of Things | Online E-Rickshaw Tracking System |Aug 2022 – Dec 2022**
(ReactJS, Truffle, Ganache, MetaMask, Solidity, Web3.js, IPFS)

- Designed a Decentralized Storage Space using block chain and IPFS protocol.
- The proposed system maximizes the data security by distrusting our data across the peer-to-peer network in a decentralized manner.

SKILLS

- **TECHNICAL COMPETENCIES**
  - C++
  - Java
  - Python
  - Data Structure and Algorithm.
  - DBMS(Sql)
  - Operating system

- **Employability SKILLS**
  - Leadership
  - Optimistic
  - Bucking up
  - Co-ordinating

- **TOOLS**

Arduino, AutoCAD, AWS (EC2), Git, Jupyter Lab, Linux, Raspberry Pi, ThinkSpeak IoT

LANGUAGES

- English
- Hindi
- Marathi

ACHIEVEMENTS

- Published Research Paper:
  1. DOI Link - https://doi.org/10.22214/ijraset.2023.50478
  2. DOI Link - https://www.jetir.org/papers/JETIR2309425.pdf
- 2nd Rank in Teckathon – an Internal Hackathon for SIH
- Innovation Café Hackathon (UNSTOP): Participation Certificate (organized by Hindustan Unilever Limited)

CERTIFICATES & AWARDS

- Analyttica : Fundamentals of Big Data And Analytics (Feb' 23)
- ABET Project Inspection Finalist (Dec 2022)
- Broad Infinity: Data Science (Aug 2022 - Oct 2022)
- NPTEL: Microprocessors & Controllers (Jan 2022 -Apr 2022)
- Hacker Rank: Python | SQL (2022 2021)
- Saylor Academy: C++ Programming | Computer architecture | Computer Networking