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 8.15 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 | 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.

# Summer Trainee | InternShala | June – July 2022

* + During my 8-week Summer Industrial Training at Internshala as a Python programmer , I focused on: Built a comprehensive Python-based cricket fantasy game, featuring player selection, team management, live scores, and statistics

# Domain – Blockchain | D – Drive | Feb 2022 – May 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