

# Smita Shinde

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## Summary

Highly motivated and detail-oriented Computer Science and Engineering student seeking a software engineering position to utilize my strong analytical and problem-solving skills to develop innovative solutions in a collaborative environment.

## Education

**B.E in Computer Science and Engineering (Hons.) Internet of Things (8.22/10)** *July 2020 - May 2024*  
Chandigarh University, Gharuan, Punjab

**Intermediate (MSBSHSE) (PCMB) (67.56/100)** *June 2019 - February 2020*  
Sharadabai Pawar Mahila Mahavidyalaya, Baramati, Pune.

**Matriculation (MSBSHSE) (90.40/100)** *June 2017 - March 2018*  
Nutan Marathi Madhyamik Vidyalaya, Mangalwedha, Solapur.

## Projects

### Design and Implementation of a Real-Time ECG Monitoring System using Diligent analog Discovery

**Board and LabVIEW** *Jan 2024 - May 2024*

- Developed a cost-effective DIY Electrocardiogram (ECG) system using Analog Discovery Studio and LabVIEW. The ECG signal is amplified through external circuitry and processed in LabVIEW via WaveForms Virtual Instruments (VIs) for filtering, peak detection, and heart rate calculation.
- This customizable solution promotes hands-on learning and experimentation in biomedical instrumentation and signal processing.

**Smart Home Electrical System** *August 2023 - December 2023*

- 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.

**Face Gender Detection** *August 2023 - December 2023*

- We have 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.

**Decentralized Storage Space using Blockchain and IPFS Protocol.** *January 2022 - December 2022*

- We designed a Decentralized Storage Space using blockchain 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

**Programming** Python, SQL, C++

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

## Languages

- English
- Hindi
- Marathi

## Achievements

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- 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

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<b>Analyttica</b>	Fundamentals of Big Data And Analytics	<i>February 2023</i>
<b>ABET</b>	ABET Project Inspection Finalist	<i>December 2022</i>
<b>Broad Infinity</b>	Data Science	<i>October 2022</i>
<b>NPTEL</b>	Microprocessors and Microcontroller	<i>March 2022</i>
<b>HackerRank</b>	Python	<i>2022</i>
<b>HackerRank</b>	SQL	<i>2022</i>