

# SARTHAK BHAPKAR

Vishwakarma Institute of Information Technology, Pune

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📍 Pune – India

in [Linkedin](#)

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## EXPERIENCE

### Deep Learning Intern

[IOTIOT.in](#)

📅 Aug '21 – April '22 📍 Pune

- Modified Machine Learning algorithm for Weapon Detection System to get **96.2%** accuracy. Utilized different tools like **Google Colab, Docker, Labelme, Gitlab**.
- Enhanced model accuracy by **5%** after optimizing the architecture with in-depth understanding of DNN and CNN.
- Tech Stack: **Deep Learning, Computer Vision, Flask, Python**.

### Java Full Stack Intern

[Link Code Technologies Pvt Ltd](#)

📅 Aug '21 – Oct '21 📍 Pune

- Designed **Online Examination System** using Java Full Stack, boosting user satisfaction by 10% compare to existing systems.
- Led a 4-member team, increasing the productivity and ensuring project completion within deadline.
- Tech Stack: **Java, Servlet, JSP, SQL, HTML5, CSS3, JavaScript**.

## ACHIEVEMENTS

- **3<sup>rd</sup> Runner Up**, IEEE Hackathon held by IEEE students club VIIT Pune. Around 20 teams participated.
- **Finalists** in National Level UBS Hackathon, Pune (Top 10).
- Solved **250+ Coding Questions** on various coding platforms.

## TECHNICAL SKILLS

### Programming Languages

- C/C++, Java, Python, JavaScript.

### Frameworks & Libraries

- HTML, CSS, Bootstrap, Javascript.
- React.JS, Node.JS, Express.JS.
- SQL, MySQL, MongoDB, Oracle.
- Spring Boot, Servlet, JSP, Django.

### Tools

- GitHub, Git, VSCode, Google Colab, Eclipse

### Course Subjects

- Database Management System, Networking, DSA, Operating System.
- Machine Learning, Computer Vision.

## EDUCATION

B.Tech. (IT) - 8.93 CGPA

Vishwakarma Institute of Information Technology

📅 Nov '22 - May '25

Diploma (CS) - 92.73%  
Government Polytechnic Pune

📅 Aug '19 - July '22

## PROJECTS

### Weapon Detection System

- Developed an Object Detection based Weapon Alert System (Knife, Gun), using **ssd-mobilenetV2** with 96.2% accuracy.
- Improved model **inference** speed (**45 FPS**) without compromising on accuracy after researching and modifying existing **ssd-mobilnetv2 architecture**.

### Online Recharge System

- Implemented a project utilizing JSP (**Java Server Pages**) and Servlet technologies within a collaborative team of 4.
- Directed the development of a **user-centric web application**, facilitating online recharges for 100's of users across various mobile phones and services.

### Mental Health Tracking System

(Smart India Hackathon - Oct '23)

- Deployed a user-friendly web app for monitoring and managing mental well-being through test scores ranging from 0 to 100.
- Feedback from users indicates a 20% increase in reported well-being and emotional resilience after engaging with the platform's resources.

### Online Job Portal

(UBS Hackathon - Feb '23)

- Developed an innovative solution to common recruitment challenges. **Came up with 2 to 3 creative ideas & implemented one of them to make the hiring process more efficient and user-friendly.**

## EXTRA ACTIVITIES

- Sports Secretary, Government Polytechnic Pune.
- IT Department Head, I2IC VIIT.