Dimple Bhondekar

Bachelor of Technology
Indian Institute of Information Technology Allahabad

✆ +91 7972920270
in Linkedin
iit2022022@iiita.ac.in

EDUCATION

- **Indian Institute of Information Technology, Allahabad** *Nov 2022 – Present*
  B.Tech in Information Technology
- **K.John Public School, Nagpur** *Apr 2019 - Jun 2020*
  Matriculation: CBSE
- **Prerna Internation School, Nagpur** *Apr 2021 - Jun 2022*
  Post-Matriculation: CBSE

EXPERIENCE

- **Bosch Global Software (BGSW)** *On-site*
  Software Engineering Intern May 2025 – Ongoing

  - Developing a **computer vision-based** system to estimate driver heart rate using NIR camera and iPPG signals without physical contact.
  - Leveraging image processing and physiological signal extraction techniques for **real-time health monitoring**.
  - Aiming to enhance **driver safety** by integrating non-invasive biometric analysis into intelligent transport systems.

- **Extion Infotech** *Remote*
  Cyber Security Intern Dec 2024 - Feb 2025

  - Identified system **vulnerabilities** and recommended effective **mitigation strategies** to enhance security posture.
  - Collaborated with team members in group discussions to analyze threats and **brainstorm solutions**.
  - Developed strong communication and **problem-solving skills** through real-world cybersecurity scenarios.

PROJECT

- **Stocklift | Python, XGBoost, TensorFlow, SQLite, CSS, OpenAI API** | ⌘

  - Designed and deployed a **Smart Discount Calculator and Custom Bundle system** to increase order value through automated pricing logic and seller collaboration.
  - Built a comprehensive **Shopkeeper Dashboard** enabling sellers to manage inventory, track campaign performance, and optimize festival-based sales strategies.
  - Implemented a **Festival Cultural Promotion** feature that dynamically generates campaign posters and product suggestions based on regional and seasonal trends.
  - Developed a festive commerce platform integrating **AI-powered image enhancement and product description** generation using the Gemini API.

- **FoodXtra | Next.js, Javascript, CSS, MongoDB** | ⌘

  - Streamlined the donation **process for excess food**, increasing donated items from events, directly assisting families facing hunger challenges within the community.
  - Implemented a **feedback system** that collected user insights on the donation process; analyzed responses to make iterative improvements.
  - Enables donors to specify detailed **ingredient quantities and food information** to facilitate precise allocation.
  - Allows users to track the location of available food and delivery to ensure timely assistance.

TECHNICAL SKILLS AND INTERESTS

Languages: C++, C, Python, SQL, React, Node.js, JavaScript
Databases & Tools: Relational Database (RDBMS) - SQL/MySQL, Git, Github, Linux
Relevant Coursework: Data Structures & Algorithms | Operating Systems | Object Oriented Programming | Database Management System | Machine Learning | Distributed Systems | Computer Networks

ACHIEVEMENTS

Finalist in **Walmart CodeHers 2025**, ranked among the **top 250** out of 1,00,000+ participants nationwide.
Top 5% in **Adobe GenSolve** Solution challenge.
Contest Rating 1662 on LeetCode.
Best Global rank of 165 on Coding Ninjas Weekly Contest 141.
Selected for **GSSOC'24** (Girlscript Summer of Code).
Certification in **Cyber Security** by Coursera.
International Rank: 702 in SOF-16th National Science Olympiad (NSO).
Competed in SheHacks7.0 36 hours long Hackathon organised by Aparoksha (Technical Fest).

POSITIONS OF RESPONSIBILITY

Senior Member, Sarasva - Literary Society of IIITA
Speaker, Prayas- A IIITA - led initiative educating underprivileged children and nurturing their welfare.
Director Secretary General, IIITA MUN'24- Model United NAtions IIITA