

# Ayusha Homkar

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## CAREER OBJECTIVE

Aspiring web developer with a strong foundation in front-end technologies. Passionate about creating engaging and user-friendly web experiences by combining creativity with technical skills. Eager to contribute fresh ideas and innovative solutions to your team.

## EDUCATION

Qualification	Marks	School/college	Year
B.Tech (Computer science)	7.94 CGPA	N.K. Orchid college of engineering, Solapur	2020-2024
HSC	72.92%	Sangameshwar college, Solapur	2018-2020
SSC	94.20%	Jnana prabodhini school, Solapur	2018

## TECHNICAL SKILLS

- **Programming Languages** : Java, C, Python, JavaScript, ExpressJS, NodeJS
- **Database** : MySQL , Firebase ,MongoDB
- **Web-Development** : HTML, CSS, Tailwind CSS, React ,Streamlit , Figma , Wordpress
- **Tools** : Webots , GitHub , MS-Office 365 , Android Studio
- **Other Skills** : Object Oriented Programming ,Software Development Life Cycle(SDLC), Micro-Controllers, Jira.

## ACHIEVEMENTS

- Proven leadership and teamwork skills by securing 2nd prize in a hackathon organized by CSESA
- Achieved remarkable recognition as a Top 8 Pre-Finalist in the NetApp Women Innovation 2023
- Selected in Top 10 PAN India & Top 30 in 3 Countries (India, Rome, Egypt) in Vois Hackathon Hosted by Vodafone 2023
- Exhibited ingenuity and troubleshooting abilities as a finalist among 20 teams in the state-level Avishkar Competition in the agriculture domain

## PATENT

- **Application Number:** 202321026764      **Title:** "[AI Based Crop Monitoring & Prediction System](#)"      **March 2023**

## PROJECTS

1. **Trata (Patented) | Role - Front-end developer of app, embedded system dev :**
  - Engineered and executed a machine learning pipeline with accuracy of 98% for automated feature extraction and predictive modeling within a crop monitoring system that integrates sensor data from IoT devices with sources.
  - On-farm deployment of the system has demonstrated effectiveness in improving crop yields.
  - Technologies used- Python ,Machine Learning, Android studio ,IoT , Database-Firebase.
2. **Edu-Hub | Role - Front-End Development Lead :**
  - Developed and implemented the user-interface of a comprehensive online education platform designed specifically for engineering students and educators.
  - The platform offers features including: Real-time student attention monitoring, Secure exam environment, Self-paced learning with diverse course offerings
  - Technologies used - React, MongoDB, ExpressJS, NodeJS, Tailwind-CSS.
3. **Walle Rover | Role - Website development :**
  - Designed and developed a self-navigating rover utilizing a combination of sensor fusion techniques, path planning methods and Internet of Things (IoT) technologies.
  - The rover successfully navigated through challenging terrain in a real-world in area of 50m environment, demonstrating its ability to autonomously operate in unstructured and unpredictable settings.
  - Technologies used- Python, Streamlite, IoT sensors.

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#### 4. UI Wonders -Portfolio :

- Developing a dynamic personal portfolio website using React, Tailwind CSS, and the MERN stack.

### CERTIFICATION

- **Diploma in Web development** - Profound Edutech (May 2024)
- **Core Java** - Udemy (2 jan 2023)
- **Power Programmer** - Infosys (24 July 2022)
- **Cyber Security Internship** - 1StopAI (20 May 2022)
- **C, CPP, DSA** - ADJ Infotech (15 April 2022)

### WORK EXPERIENCE

- **MERN Stack Developer Intern** : Profound Edutech (Feb 2024 – April 2024)
  - **Cyber Security Internship**: 1Stop AI (Mar 2022-May 2022)
  - **Employability Skills Development**: Zensar (2021)
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