

# MANAV RAI

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## EDUCATION

- B.Tech in Computer Science Engineering(Specialization In Data Science)  
**Punjab Engineering College, Chandigarh** [Nov, 2022 – June, 2026]
- Senior Secondary – 12th  
**GMSSS 37-B Chandigarh** [March, 2022]
- Class 10<sup>th</sup>  
**Shishu Niketan Senior Secondary School, Sector-22 D Chandigarh** [March, 2020]

## SKILLS

- **Programming Languages:** HTML, CSS, JavaScript, Bootstrap, Tailwind CSS, Node.js , Python, Java, Next.js
- **Libraries/Frameworks:** Bootstrap, Tailwind CSS, Firebase, Chromium, React Native, Github, Vercel
- **Add-ons:** Web Development and App Development , Entrepreneurial Leadership, Blockchain Technology

## EXPERIENCES

1. **Frontend Web Developer/UI-UX designer at CDGC, PEC Chandigarh** [October 2023 - Present]
  - Working as a Frontend developer/UI-UX for [CDGC Training and Placement Cell](#) at Punjab Engineering College, Deemed to be University, Chandigarh.
2. **WebInOrbit | Founder** [August 2023 – Present]
  - Established WebInOrbit in August 2023, propelling a small startup into a thriving venture.
  - **Developed** a User-Friendly interface for students to showcase their skills and projects enabling direct connection with companies globally
  - WebInOrbit, a responsive website, app, Software Development, ML Models Development Platform.
  - **Developed** a groundbreaking platform facilitating job placement for college students to enhance skills and mitigate off-campus/on-campus placement hurdles. This platform empowers students to showcase their skills and secure opportunities directly.
  - Introduced a dynamic progress-tracking for students, allowing them to track their ongoing paid projects and view ratings for enhanced user experience.
  - **Successfully On boarded 100+ students across different regions and colleges within the first months;** currently serving 100+ active users.
  - For more information, visit [<https://webinorbit.com/>].
3. **PEC ACM-CSS Student Chapter - Implementation Body Member.** [November 2023 - Present]
  - **Responsible** for implementing events by PEC ACM-CSS Student Chapter.

## PROJECTS

1. **Healthcare App Development for PGIMER, Sector 12, Chandigarh (*App is in Development Phase*)**
  - **Role-:** App dev but mainly focus on Frontend Development (UI-UX) and its Integrations
  - Collaborating with **PGIMER** to develop a comprehensive healthcare app focused on enhancing patient self-management for low back pain (LBP). **Responsible** for designing the **UI** in React Native, implementing user information collection, medical history logging, 3D Body Mapping for marking location of pain by patients, initial assessments, personalized treatment plans, and educational resources. Ensuring compliance with clinical guidelines and data privacy regulations.
2. **Made Om Browser which can detect Dark Patterns.**
  - **Browser:** A user-friendly browser based on Chromium (Secure and Stable open source browser), called Om, that has inbuilt dark patterns identification properties. It does so by using an inbuilt extension.
  - **Built in extension:** Om will have an inbuilt extension that detects and eliminates dark patterns on e-commerce websites. It has been integrated with ML models to detect these patterns.
  - **Finalist in National Level Dark Pattern Buster Hackathon 2024 organized** by IIT BHU, Varanasi  
GitHub Repository Link to download Browser [<https://github.com/coderiders22/Dark-Pattern-IIT-BHU-hackathon>]
3. **EXOPLANETS** [[https://github.com/coderiders22/Astronomicx\\_Hackathon](https://github.com/coderiders22/Astronomicx_Hackathon)]
  - **Role-:** Frontend Developer (UI-UX)
  - Made a Machine Learning Model which will predict whether a planet is an exoplanet or not.
  - Tech used: Machine Learning HTML CSS JavaScript Python
  - Flask <https://flask.palletsprojects.com/en/2.3.x/> . Concept Used: Random Forest Classifier
4. **For more projects, please visit my [portfolio](<https://manavrai.netlify.app/>).**

## CERTIFICATES

- Participated in Hack Unicorn 2.0 36-Hour Hackathon .
- Participated in Night Sprint Hackathon 12-Hour Hackathon.
- Participated and was a finalist in Dark Patterns Buster Hackathon (DPBH-2023) Organized by IIT BHU, Varanasi .
- Participated in Hack2Hatch Hackathon 15-Hour Hackathon Organized by EIC Cell , PEC .
- Participated and won the Astronomic Hackathon organized by ASPS and ACM

## ACHIEVEMENTS

- Secure **1<sup>st</sup> Position** in **ASTRONOMIX HACKATHON** Organized by ASPS and ACM
- Reached **the finale (Round 4)** of the **IIT BHU, Varanasi Dark Pattern Buster Hackathon** in 2024.