

# MANAV RAI

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## EDUCATION

- B.Tech in Computer Science Engineering(Data Science) Punjab Engineering College,Chd [Nov, 2022 – June,2026]
- Senior Secondary Education - GMSSS 37-B Chandigarh [March, 2022]
- Secondary Education - Shishu Niketan Senior Secondary School, Sector-22 D Chd [March, 2020]

## SKILLS

- **Programming Languages:** HTML, CSS, JavaScript, Node.js, Next.js, Dart, Python, Spring Boot
- **Libraries/Frameworks:** Tailwind CSS, Vercel, flutter, Git (Version Control), MongoDB, PostgreSQL
- **Add-ons:** Web and App Development, Software Development, Entrepreneurial Leadership, Blockchain Technology

## EXPERIENCES

1. **Frontend App Developer/UI-UX Designer at PGIMER Sector-12, Chd** [July2024 - Present]
  - Handled frontend development and backend integration for a healthcare app to improve self-management of lower back pain (LBP), collaborating with two backend team members.
2. **WebInOrbit | Founder** [August 2023 – Present]
  - Created student-focused platform connecting talent with global companies
  - Developed responsive website/app for skill showcase and job placement
  - Implemented ML-driven platform to bridge student opportunities
  - Rapidly onboarded 100+ students from diverse colleges
  - Achieved 100+ active users within initial launch phase
  - Managed frontend development and continuous feature enhancement

Website: [[webinorbit.com](#)]
3. **Windows Application Developer | Indian Air Force | Aircraft Health Predictor** [July2024-October2024]
  - Created a Windows application for the Indian Air Force to predict aircraft engine health by processing data from the aircraft.
4. **Founderverse (London, GB)** [August 2024 - September 2024]
  - Served as a **Founder's Office Intern**, contributing to operations and UI development by streamlining processes and enhancing user interface designs.

## PROJECTS

1. **Healthcare App Development for Post Graduate Institute of Medical Education & Research, Chandigarh (PGIMER) Sector-12, Chd**
  - Role: Frontend Developer (Flutter)
  - Project Focus: Low Back Pain (LBP) Patient Self-Management App
  - Key Responsibilities:**
    - Design UI/UX in Flutter
    - Implement patient information collection
    - Create 3D Body Mapping for pain location
    - Develop medical history logging and assessment tools
    - Design personalized treatment plans
    - Ensure clinical guideline and data privacy compliance
2. **Om Browser - Dark Pattern Detection**
  - Chromium-based secure browser
  - Integrated ML-powered extension to identify and eliminate dark patterns on e-commerce websites
  - GitHub: [[github.com/coderiders22/Dark-Pattern-IIT-BHU-hackathon](#)]
3. **VYC (Verify Your Customer)**
  - Role: Frontend Developer
  - Built interactive KYC platform with advanced image verification technology
  - GitHub: [[github.com/coderiders22/Data-Mavericks](#)]
4. **AUSCULTATECH - AI-Driven Lung Sound Diagnostics**
  - Role: Frontend Development and Integration
  - Built platform that processes lung sound data to identify key patterns and provides fast, accurate classification, helping to reduce misdiagnoses and delays in patient care.
  - Github: [[github.com/coderiders22/Minor-Project-PEC-Chd](#)]

## CERTIFICATES

- Participated and Secure **2<sup>nd</sup> Position** in **STGI Technologies Consulting Pvt Limited** 24-hours coding marathon.
- Participated and was a **finalist** in **Dark Patterns Buster Hackathon** Organized by **IIT BHU, Varanasi** .
- Participated in **Hack Unicorn** Organized by **Guru Tegh Bahadur Institute of technology , Delhi** .
- Participated and Secure **1st Position** in the **Astronomic Hackathon** organized by **ASPS and ACM**

## ACHIEVEMENTS

- Secure **1<sup>st</sup> Position** in **ASTRONOMIX HACKATHON** Organized by ASPS and ACM in 2023.
- Secure **2<sup>nd</sup> Position** in STGI Technologies Consulting Pvt Limited **24-hours coding marathon** in 2024.
- Reached the **finale (Round 4)** of the IIT BHU, Varanasi **Dark Pattern Buster Hackathon** in 2024.