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, Java, Spring Boot
- **Libraries/Frameworks:** Tailwind CSS, Vercel, flutter, Git (Version Control), MySQL, PostgreSQL, Figma, Ui-Ux
- **Add-ons:** Web and App Development, Software Development, Entrepreneurial Leadership, Operational & Business Strategy

EXPERIENCES

1. **Software Engineer Intern | Nature9 Consulting Private Limited– Syncloop.com**   [January 2025 - June 2025]
   - **Contributing to Syncloop.com**, a low-code API management platform, by enhancing UI/UX and building new features for API orchestration and real-time testing.
   - Developed backend features for **Syncloop.ai** using **Java Spring Boot**, including agent creation, database integration, and scalable service modules.
2. **Mobile App Developer at PGIMER Sector-12, Chd**   [July2024 - May2025]
   - 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.
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. **Foundingame (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

- **Healthcare App Development for Post Graduate Institute of Medical Education & Research, Chandigarh (PGIMER) Sector-12, Chd**
  - Role: Mobile App Developer (Flutter)
  - Project Focus: Low Back Pain (LBP) Patient Self-Management App
  - **Key Responsibilities:**
  - Design Mobile App Developer
  - Implement patient information collection
  - Create 3D Body Mapping for pain location
  - Develop medical history logging and assessment tools and implemented many features
- **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]**
- **VYC (Verify Your Customer)**
  - Role: Frontend Developer
  - Built interactive KYC platform with advanced image verification technology
  - GitHub: **[github.com/coderiders22/Data-Mavericks]**
- **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]**
- **WebInOrbit- Building Startups Made Easy with WebInOrbit**
  - Role: Full-Stack Developer (Next.js)
  - Built the platform end-to-end using Next.js — designed modern, responsive UI and implemented backend logic using API routes with secure data handling.
  - Ensured seamless frontend-backend integration and user experience across multiple roles.Platform has supported **15+ startups** across **5+ countries**, offering services from mentorship to product prototyping.
  - Platform has supported **15+ startups** across **5+ countries**, offering services from mentorship to product prototyping.
  - For more information visit **webinorbit.com.**

CERTIFICATES

- Participated and Secure **2nd 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 **HackUnicorn** Organized by **Guru Tegh Bahadur Institute of technology , Delhi .**
- Participated and Secure **1st Position** in the **Astronomic Hackathon** organized by **ASPS** and **ACM**

ACHIEVEMENTS

- Received a **Letter of Appreciation** from Punjab Engineering College for contributing as an **Android Developer** to a collaborative **clinical research project** with **PGIMER, Chandigarh.**
- Secure **1st Position in ASTRONOMIX HACKATHON** Organized by ASPS and ACM in 2023.
- Secure **2nd 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.