NANDINI NEMA

+91-9372523295 | nandininema07@gmail.com | LinkedIn | GitHub | Portfolio

EDUCATION

Bachelor of Technology in Information Technology, Honors in DevOps Aug 2023 – Jun 2027
SVKM's Dwarkadas Jivanlal Sanghvi College of Engineering, Mumbai, India CGPA: 9.42/10.0

WORK EXPERIENCE

Indian Institute of Technology, Bombay | Web Development Intern Jan 2025 – Present
- Applied web development skills to build back-end logic and leveraged modern front-end technologies to create responsive, user-friendly interfaces.
- Developed RESTful APIs and optimized database queries, improving API response time by 20% and supporting high-performance platforms used by organizations of national importance.
- Collaborated in a team of 5 to deploy full-stack solutions that are now utilized at a national scale, ensuring seamless integration and reliable functionality.

Plasmid Innovations | Web Development Intern Aug 2024 – Oct 2024
- Applied front-end development skills as a Web Development intern to design and implement interactive user interfaces, enhancing user engagement and accessibility.
- Created detailed documentation for UI designs and component structures, facilitating efficient collaboration and future development efforts.

TECHNICAL SKILLS

Programming Languages: C/C++, Python, Java, JavaScript, HTML5, CSS3, SQL
Libraries & Frameworks: ReactJS, Express.js, React Flow, Node.js, Flask, Flutter, LangChain, NumPy, Pandas, TensorFlow, PyTorch, Matplotlib, BeautifulSoup, Scikit-Learn, TailwindCSS, Streamlit, Bootstrap
Tools & Platforms: Git, GitHub, Figma, Canva, Visual Studio Code, Jupyter Notebook, MongoDB, Firebase, Docker, AWS, Jira, AutoCAD

PROJECTS

AgentFlow – Agentic AI Platform for Streamlined Agent Development | React Flow, LangChain, Pinecone GitHub
- Built a no-code platform with 200+ configurations using LangChain Expression Language and Pinecone Vector DB.
- Integrated React Flow for drag-and-drop workflows and FastAPI WebSockets for real-time coordination.
- Reduced development time by 40% ; ranked 1st among 50+ teams in a national AI hackathon.

Arogyam – Machine Learning Ayurveda Recommendation System | OpenCV, Flask, React.js, Tailwind CSS GitHub
- Developed an ML model to classify 5+ nail and facial features using OpenCV.
- Improved accuracy by 20% through custom feature engineering for Ayurvedic indicators.

SeismoTrack - Seismic Tracking System for Celestial Bodies | Python, TensorFlow, scikit-learn, AWS GitHub
- Created SeismoTrack during a 36-hour NASA Space Apps Challenge to analyze seismic events on 3+ celestial bodies.
- Achieved 37% higher accuracy classifying 1,000+ seismic events using TensorFlow and scikit-learn.

AWARDS & ACHIEVEMENTS

DATA 2 KNOWLEDGE 3.0 HACKATHON – D.J. Sanghvi College of Engineering, Mumbai Mar 2025
- Ranked 1st for developing AgentFlow - an Agentic AI Platform to simplify agent development.

FRONTEND ARENA HACKATHON – Rajiv Gandhi Institute of Technology Mar 2025
- Secured 2nd Position for building Fambot – a smart family assistant web app enhancing household coordination through AI-driven features.

DEV QUEST HACKATHON – IIT Jodhpur Jan 2025
- Selected as a Finalist for developing Arogyam- an innovative Ayurveda solution in a 24-hour coding challenge.

NASA SPACE APPS CHALLENGE 2024 – Noida Edition Oct 2024
- Secured Finalist position by developing SeismoTrack, a software to support space missions.

SMART INDIA HACKATHON 2023 Nov 2023
- Achieved All India 6th Rank in the national-level hackathon by solving real-world industry problem statements.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Computer Society of India (DJCSI) | Active member Sept 2024 - Present
- Authored DJCSI's TechFlix and Protocol Newsletters, featuring 11+ interviews and 18+ articles on tech trends and career insights.
- Coordinated for Codeshastra XI , a national-level event with 250+ participants , and a 6-Hour UI/UX Hackathon with 80+ participants , ensuring seamless execution and high engagement.