K. NIRANJANA

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PROFILE SUMMARY

Web Developer specializing in **React** and **Next.js** experienced in building performant, responsive applications. Active hackathon participant with hands-on full-stack experience delivering data-driven, scalable solutions.

PROJECTS

Nexadrug - AI Powered Drug Discovery Platform (React | Express.js)   Live Link
- Built a responsive React interface supporting real-time molecular insights for AI-driven drug comparison and interaction analysis, improving research efficiency by 40%

Shell-Shockers - Fuel Blend Prediction Platform (Next.js | Fast API)   Demo Link
- Engineered an AI-powered platform for sustainable fuel blend prediction, achieving 85%+ model accuracy in optimizing energy efficiency by enabling users to analyze, compare, and select optimal fuel blend

AI Investigation Assistent (React | Fast API)   Live Link
- Developed a real-time investigation dashboard processing 1,200+ files across 20+ cases, enabling interactive visualization that accelerated decision-making

College Cultural Fest Website (React | Node.js)   Live Link
- Deployed an event portal for listings, participant registration, supporting live updates handling 500+ users

Technical Utilities - Frontend & API Integrations
- **QR Code Generator** : Instantly converts URL into a scannable QR code
- **Text-to-Speech Converter** : Converts written text to real-time audio for improved accessibility
- **Random User Generator** : Fetches and displays random user profiles with images dynamically
- **Webpage Translator** : Enables multilingual support with live translation of web content

WORK EXPERIENCE

Software Engineering Intern | EvalBench   Nov 2025 - Present
- Monitored and categorized website cookies to ensure privacy compliance, enabling senior engineers to focus on higher-priority software development tasks
- Developed and maintained responsive websites using Next.js

Engineering Intern | Airport Authority Of India   Oct 2025
- Assisted AOCC team in maintaining network, server, and UPS infrastructure to ensure operational continuity
- Comprehended the hardware - software integration crucial for reliable aviation operations

ACHIEVEMENTS & HACKATHONS

JP Morgan Chase - Code For Good 2025   August 2025
- **Finalist** in JP Morgan Chase Code For Good 2025, developed a donor prediction model integration during a 24-hour hackathon
- Automated contribution forecasting, reducing manual work by **70%** for the **Renu Kiran Foundation**

Shell.ai Hackathon 2025   July 2025
- **Pre-finalist**, Shell.ai Hackathon for Sustainable and Affordable Energy 2025
- Developed the full **Next.js frontend** integrating an **ML models** for fuel-blend optimization with 85%accuracy

AI for Andhra Pradesh Police Hackathon   June 2025
- Developed a **React** web app to streamline investigative workflows during a 36-hour hackathon
- Improved operational efficiency by nearly **40%**

GDG On-Campus Solution Challenge   Jan 2025
- Led frontend development of an AI-driven drug discovery platform enabling faster research insights by 20%

SKILLS

Web Development : React, Next.js, Node.js, Redux, JavaScript, TypeScript, HTML, CSS, Bootstrap, Tailwind
Programming Languages : Java, Python, SQL
Machine Learning : Model development, optimization, and deployment using Scikit-learn and Streamlit
Version Control : Git, GitHub

EDUCATION

Rajalakshmi Institute of Technology   Expected : May 2027
B.Tech Computer Science and Business Systems | **CGPA:** 9.01/10
Anna Adarsh Mat. Hr. Sec. School | XII | **Percentage:** 93   May 2023

CERTIFICATIONS

- NPTEL Programming in Java   Nov 2024
- Full Stack Development Novitech   Oct 2024