

SOURAJIT NAYAK

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Portfolio | github | linkedin

EDUCATION

NIIS Institute of Business Administration

Full-time Master of Computer Applications

CGPA: 8.57

Bhubaneswar

July 2023 - April 2025

Utkal University

Full-time Bachelor of Science in Mathematics

CGPA: 7.43

Bhubaneswar

July 2020 - April 2023

CHSE Board

Full-time Higher Secondary Certificate (Science)

Percentage: 60.1%

Jagatsinghpur

July 2018 - April 2020

EXPERIENCE

LandForce | Executive Developer

Ludhiana, Punjab | April 2025 - Present

Architected and developed enterprise ERP software using React.js, PostgreSQL, and Node.js serving 500+ active users. Built modular component library with 40+ reusable components reducing development time by 60 percent. Integrated complex transactional forms and master data components ensuring 99.9 percent system reliability. Optimized database queries resulting in 45 percent improvement in application response times. Collaborated with cross-functional teams to deliver features ahead of schedule.

EY GDS (AICTE Virtual Internship) | Full Stack Developer

Virtual | Feb 2024 - April 2024

Designed and developed comprehensive bus reservation system handling 1000+ concurrent user sessions. Built responsive React.js frontend with 95 percent mobile compatibility and intuitive user interface. Developed secure REST APIs using Django with JWT authentication preventing security breaches. Implemented cloud deployment on AWS achieving 99.8 percent uptime with auto-scaling capabilities. Completed intensive 6-week training program under Edunet Foundation and AICTE.

IBM (Virtual Internship) | AI and Cloud Engineering Intern

Virtual | July 2024 - Sep 2024

Developed and trained machine learning models using TensorFlow and Scikit-learn achieving 94 percent accuracy. Built production-ready Generative AI chatbots using Large Language Models reducing support workload by 70 percent. Utilized IBM Watson Studio and AutoAI platform for automated model building and deployment. Implemented cloud-native solutions with real-time monitoring and automatic scaling capabilities. Gained hands-on experience with advanced AI technologies including NLP and conversational AI.

SKILLS

Programming Languages: Python, JavaScript, C

Libraries/Frameworks: React.js, Tailwind CSS, Bootstrap, Redux, Node.js, Express.js, Django, REST APIs, GraphQL, Langflow, Next.js

Tools / Platforms: Git, VS Code, Google Colab, Docker, Postman, AWS

Databases: PostgreSQL, MySQL, MongoDB

PROJECTS / OPEN-SOURCE

Mini Perplexity | Link

Next.js, Tailwind CSS, Shadcn, Gemini API, Cloud Deployment

Developed a full-stack AI Search Assistant inspired by Mini Perplexity, featuring real-time web search, summarization, and chat.

Built with Next.js 14, TypeScript, TailwindCSS, and shadcn/ui for a responsive UI, integrated NextAuth for authentication and Supabase for user profile management.

Implemented live web search via Tavily API and deployed with a Docker-ready DevOps setup, designed for scalable and maintainable production use.

Machine Learning Species Classifier Python, Streamlit, Scikit-learn, Pandas, NumPy, Data Visualization

Built and deployed penguin species classification model achieving 95+ percent prediction accuracy. Implemented comprehensive data preprocessing pipeline with feature engineering and validation. Created interactive web interface using Streamlit receiving 1000+ user interactions monthly. Applied advanced machine learning algorithms including logistic regression and decision trees. Deployed model with real-time predictions and detailed performance metrics visualization.

PostgreSQL Agent | Link

Python,Langflow,Docker,Google Cloud,Ollama

Engineered intelligent PostgreSQL agent for ERP and data-centric applications using Python, Langflow, Docker, Google Cloud, and Ollama. Designed to interpret user requests, generate optimized SQL queries, and execute them to retrieve relevant database information. Integrated LLM-powered natural language descriptions for query results, enabling non-technical users to understand complex datasets effortlessly. Deployed in a containerized environment for scalability and cloud compatibility. Implemented robust error handling, query validation, and secure database access protocols to ensure reliability and data integrity.

CERTIFICATIONS

- IBM AI Engineering Professional Certificate - **Coursera**
- Meta Frontend Developer Professional Certificate - **Meta**
- AWS Cloud Technology Consultant - **Coursera**
- DeepLearning.AI TensorFlow Developer Certificate - **DeepLearning AI**
- Oracle Cloud AI Foundations Associate - **Oracle**
- Applied Accelerated AI - **NPTEL(IIT MADRAS)**

HONORS & AWARDS

- Recognized by Odisha Skill Development Authority for completing multiple professional courses under the #NuaOdisha digital skilling initiative.
- Achieved Google Cloud Arcade Advanced Milestone with 31 points by earning Prizes and demonstrating cloud skills. Recognized for consistent learning, dedication, and upskilling in cloud technologies.