NITIN KUMAR DUBEY

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EDUCATION

Sarala Birla University
Bachelor of Engineering, Computer Science and Engineering
Oct 2022 – Present
7.18 CGPA

Sarala Birla Public School
Class 12, Science
Jul 2020 – Jul 2022
72 Percentage

EXPERIENCE

Software Developer Intern | NIAMT | Ranchi, Jharkhand, India Jun 2025 – Jul 2025
- Built real-time academic portal using React.js, Node.js & MySQL. Created dashboards & visualizations, improving portal performance by 30%.

Web Development Intern | Dilwado.com | Remote Jun 2025 – Aug 2025
- Developed and customized WordPress-based UI, improving load time by 20%. Integrated APIs, managed plugins, and collaborated in Agile workflows using Git/GitHub.

Salesforce Developer Intern | NubeTree | Remote Jun 2025 – Aug 2025
- Executed a comprehensive internship program focusing on key Salesforce technologies, including Apex Programming, Lightning Web Components (LWC), and Salesforce Triggers. Developed proficiency in Salesforce Administration, JavaScript, and HTML, while ensuring rigorous Data Model and Security practices were adhered to, contributing to a robust understanding of CRM solutions.

PROJECTS

Signalist – AI-Powered Stock Market App | Link Oct 2025 – Nov 2025
- Developed a sophisticated real-time stock tracking platform featuring automated alerts, AI-driven summaries, and seamless integration of live financial data through the Finnhub API. Established event-driven workflows utilizing Inngest for price alerts, reporting, and digests, ensuring robust performance with less than 1% alert failure during stress testing. Enhanced system reliability by 35% through the implementation of automated API testing and endpoint validation with Postman and TypeScript.

Technologies: Next.js, TypeScript, TailwindCSS, MongoDB, Inngest, NextAuth.js, Finnhub API, OpenAI API, JWT

Human Emotion Detection (Group Project) | Link Feb 2025 – Mar 2025
- Engineered a sophisticated real-time emotion recognition system that employs deep learning methodologies to classify human emotions from facial images. Utilizing both Convolutional Neural Networks (CNN) and Vision Transformer (ViT) architectures, the system achieves around 85% validation accuracy. The project incorporates Grad-CAM for result explainability and is deployed via FastAPI and Streamlit, allowing for real-time applications such as music recommendations tailored to emotional states and monitoring for mental health purposes.

Technologies: Python, Vision Transformer, OpenCV, Streamlit

Student Attendance Management System (SAMS) | Link Jun 2025 – Jul 2025
- Developed as a full-stack web application, SAMS specializes in student attendance management, incorporating role-based views tailored for both students and faculty. The backend architecture is constructed using Flask, coupled with Firestore for reliable data storage, while the frontend is powered by React to deliver an engaging user interface. Key functionalities include faculty attendance marking, student attendance tracking, and the generation of comprehensive reports, along with automated email notifications for low attendance. This project exemplifies proficiency in web development technologies and user-centered design principles.

Technologies: Flask, Firebase Admin, Firestore, ReportLab, React, React Router, Python, JavaScript, SMTP, Node.js

SKILLS

Professional Skills: TensorFlow, Keras, Pandas, NumPy, OpenCV, Streamlit, React.js, Node.js, JavaScript, HTML, CSS, REST API Integration, Git, GitHub, VS Code, WordPress, MySQL, Firebase, AWS, Python, Tableau for data visualization and marketing strategy

Languages: Python, C++

Soft Skills: Leadership, Problem-solving, Communication, Team Collaboration, Analytical Thinking, Time Management

ACHIEVEMENTS / CERTIFICATIONS

- As the Student Placement Coordinator for the 2025–2026 academic session, I facilitate effective communication among students, faculty, and recruiters. My responsibilities include strategic placement planning and the execution of recruitment activities, ensuring a seamless process. This role has significantly enhanced my leadership and stakeholder management abilities, contributing to the overall success of our cohort's placement efforts. | Link

- Successfully completed the 'Responsible AI: Applying AI Principles with Google Cloud' course on Coursera, acquiring an in-depth understanding of ethical AI principles and responsible AI practices. This certification demonstrates expertise in designing and deploying AI solutions that emphasize fairness, transparency, accountability, and privacy, ensuring the development of trustworthy AI systems aligned with ethical standards. | Link

- Completed the "Artificial Intelligence Fundamentals" certification, gaining foundational knowledge of AI concepts, algorithms, and technologies. The course covers essential topics such as machine learning basics, neural networks, natural language processing, and AI application frameworks, equipping learners with a solid understanding to build and work with AI systems effectively. | Link