

Suraj Kumar Subudhi

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Professional Summary

Software Developer with a strong academic and practical background in software engineering, object-oriented programming, and algorithm design. Experienced in developing full-stack applications with a focus on performance, maintainability, and clear code structure. Skilled in using technologies such as Java, React, Node.js, and Express to build web-based systems that meet specific user and business requirements. Familiar with software development workflows, version control systems, and collaborative development practices. Committed to writing clean, testable code and delivering solutions that address real-world use cases.

Education

C.V. Raman GLocal University, B.Tech in Artificial Intelligence and Data Science 2021 – 2025

- CGPA: 8.53/10.0

College of Basic Science and Humanities, Higher Secondary Education 2019 – 2021

- Percentage: 87%

Shree Krishna International School, Secondary Education 2017 – 2019

- Percentage: 84%

Accomplishments

Naukri Campus Aptitude Test (NCAT)

- Secured All India Rank 178 in Naukri Campus Aptitude Test (NCAT) – Top 0.5% (99.5 percentile) among engineering students nationwide.

Internship Experience

Machine Learning Intern, NSTL - DRDO, Visakhapatnam Dec 2023 – Jan 2024

- Trained a machine learning model to forecast underwater drag force with 94% accuracy based on more than 1,000 simulated data points.
- Investigated discrepancies in underwater drag force simulations using Python, pinpointed inaccuracies, and revamped model parameters based on observations, enhancing predictive accuracy by 17% within two weeks.

Java Developer, Oasis Info-byte, Remote Jun 2023 – Jul 2023

- Designed and developed 4+ Java applications using principles of object-oriented programming and fundamental data structures.
- Launched an ATM interface simulator utilizing Java, processing over 100 simulated transactions per minute with robust error handling through detailed logging, aiding junior engineers with troubleshooting efforts.
- Led the end-to-end development of a Java-based Railway Reservation System, overseeing feature integration, unit testing, and module coordination to ensure seamless system functionality.

Projects

AI Interview Web App [Link](#)

- Developed an AI Interview Tool that creates job-relevant questions and offers real-time feedback, covering more than 100 distinct job positions and levels of experience.
- Explored Gemini AI integration for the AI Interview platform, improving the user experience by offering instant voice feedback to more than 100 users, enhancing response accuracy and interaction.
- Deployed with React, Next.js, and Drizzle; Clerk integrated for user auth and hosted on Vercel with <1s page load.

ResolverAI – AI Chat Web App [Link](#)

- Designed and developed a responsive AI chat application with full support for desktop and mobile devices, delivering a modern and intuitive user experience.
- Implemented real-time chat functionality, loading animations, recent chat history via a sidebar, and dark mode support to enhance usability and engagement.
- Built using React.js, Vite, and Tailwind CSS; deployed on Vercel with CI/CD pipelines, enabling

high-performance load times and seamless continuous updates.

Universal Video Downloader Web App

[Link](#)

- Developed a cross-platform video downloader app enabling users to download videos from YouTube, Instagram, and Twitter via URL input.
- Engineered the frontend with React.js and Tailwind CSS, and built a robust backend API using Node.js and Express.js to handle content fetching and delivery.
- Implemented URL validation, dynamic video previews, and multiple download options; deployed frontend on Vercel and backend on Render to ensure scalability and seamless performance.

ATM Management System

[Link](#)

- Designed database-driven ATM system with real-time transaction processing and secure login for more than 1,000 users.
- Utilized ER diagrams and normalized tables (1NF–2NF) to provide database efficiency as well as integrity.

Technical Skills

Languages: Python, Java, JavaScript

Technologies & Tools: React, Node.js, PostgreSQL, MySQL, TensorFlow, Neural Networks, Hadoop, Power BI, GitHub, Ubuntu, Data visualization