

Mahesh Kumar Jena

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [LeetCode](#)

Professional Summary

Full Stack Developer proficient in MERN stack with a focus on building scalable and high-performance web applications. Experienced with OAuth-based authentication, CI/CD on AWS, and Generative AI tools like LangChain and OpenAI to enhance application intelligence. Seeking an opportunity as a Full Stack Developer Intern or Junior Web Developer roles.

Education

Institute of Technical Education and Research (ITER) , SOA University
Bachelor of Technology in Computer Science Engineering
CGPA: 7.20

- Bhubaneswar, Odisha
(September 2023 - September 2027
expected)

Achievements & Certifications

- **Finalist(ML hackathon)** – AI Image Detection Hackathon (Built an image authenticity classifier)
- **Team Lead** – Fully Autonomous Robot using Raspberry Pi, OpenCV, and ultrasonic sensors
- **Web Development Bootcamp** – Udemy. ([link](#))

Technical Experience

Full Stack Intern – Tellis Technologies | Remote | July 2025 – August 2025

May 2025 – Present

- Captured and compressed screenshots every 60 sec with 98% reliability and encrypted sync via secure API
- Tracked user activity with iohook and active-win, reducing data loss by 40% and improving logging precision
- Stored logs in PostgreSQL; optimised sync logic to reduce idle data transmission by 60%
- Developed a dynamic admin dashboard in Next.js with charts and alerts, reducing manual review time by 70%

Freelance Projects | Remote | October 2024 – Present

- **JM-Parts ([LiveProject](#))** – Reduced inventory processing time by 50% using optimised MongoDB queries and secure JWT auth.
- **Flame N Crumble ([LiveProject](#))** – Delivered 25% faster load times and 40% higher engagement with optimised UI and Vercel deployment.

Hackathons & Personal Projects

- **AlumNex(Smart India Hackathon)** – Enabled student-alumni interactions with 40% lower chat latency and secure RBAC-based access.
- **AI Image Detector ([LiveProject](#))** – Achieved 87% accuracy and 30% fewer false positives fake image detection.
- **InterviewPrep AI** – Delivered 74% topic precision and cut manual prep time by 60% using GPT + Pinecone.
- **Dots & Boxes Game ([LiveProject](#))** – Built a real-time multiplayer game , reduced time lag by 70% using Socket.IO and stored game state reliably in PostgreSQL.

Technical Skills

- **Languages** : JavaScript, TypeScript, Python, Java, SQL, GraphQL
 - **Frameworks & Libraries** : React.js, Next.js, Redux, Express.js, Django, Tailwind CSS, Framer Motion, Three.js, shadcn UI, TensorFlow, Keras, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn, Hugging Face
 - **Databases** : PostgreSQL, MongoDB, MySQL, Redis, Pinecone (Vector DB)
 - **Developer Tools** : Git, Docker, Kubernetes, Jenkins, Postman, Firebase, Vercel, Render, Lighthouse, Jest, Google Colab, Jupyter, LangChain, OpenAI API
 - **Concepts** : REST APIs, OAuth, JWT, Authentication, CI/CD, Microservices, API Security, Scalability, Performance Optimization
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