

Abhishek Roy

📍 Deoghar, Jharkhand • 📞 +91 7001286115 • ✉ the.abhishekkroy@gmail.com

🌐 www.abhishekkroy.me • 🌐 linkedin.com/in/theabhishekkroy • 🐙 github.com/the-abhishekkroy

PROFESSIONAL SUMMARY

Full-stack Software Engineer (B.Tech CSE, 2027) specializing in scalable web applications, AI solutions, and cloud deployment. Delivered high-impact projects for 1,000+ users with 30% engagement improvement. National hackathon winner proficient in Python, JavaScript, React.js, Node.js, Docker, Kubernetes, and machine learning.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C/C++, SQL, Java, Bash
Frontend: React.js, Next.js, Tailwind CSS, HTML5, CSS3, Shadcn/UI
Backend: Node.js, Express.js, REST API, GraphQL, WebSockets, Microservices
DevOps & Cloud: Docker, Kubernetes, AWS, Azure, CI/CD, GitHub Actions, Nginx
Data & ML: Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn
Databases: MongoDB, PostgreSQL, MySQL, Supabase, Firebase
Tools: Git, GitHub, VS Code, Postman, Jupyter, PyCharm, Figma

EXPERIENCE

Software Engineer Intern — Rural Development Department, Government of Sikkim *Dec 2025 – Feb 2026*

- Built scalable GIS web applications with Next.js, TypeScript, and PostgreSQL digitizing rural development initiatives for 2,000+ government stakeholders across Sikkim
- Engineered RESTful APIs with Node.js and Express.js for real-time data synchronization, reducing manual reporting time by 45% and enhancing operational efficiency
- Implemented Docker containerization and automated CI/CD pipelines using GitHub Actions, improving deployment reliability by 35% and reducing production downtime
- Collaborated with cross-functional teams to design database schemas and deliver user-centric solutions with role-based access control

Software Engineer Intern — Shiksak *Sept 2025 – Mar 2026*

- Delivered AI-powered features for education technology platform serving 5,000+ users, streamlining workflows and boosting usability
- Developed full-stack modules with Python, React.js, and REST APIs, enabling faster feature rollouts and reducing response time by 25%
- Optimized MongoDB queries and implemented Redis caching strategies, improving query performance by 40%

PROJECTS

SGAY GIS-MIS Platform — *Next.js, TypeScript, PostgreSQL, Tailwind, Docker*

Comprehensive GIS dashboard for Sikkim Garib Awaz Yojana enabling real-time fund tracking, progress visualization, and automated reporting for 1,000+ users. Improved data accuracy by 25% and reduced reporting time by 40% with role-based access control. Deployed using Docker containerization ensuring 99.5% uptime.

Eve.ai – AI Event Planning Platform — *Next.js, TypeScript, OpenAI API, MongoDB, AWS*

AI-powered event planning platform automating vendor selection, scheduling, and budgeting workflows. Enhanced user experience with intelligent recommendations and real-time collaboration features, reducing planning time by 30%. Deployed on AWS with complete CI/CD pipeline.

NewsApp – Advanced News Aggregation — *Next.js 15, TypeScript, MongoDB, Nginx*

News aggregator with automated content fetching and personalized feeds for India/Nepal. Increased user retention by 20% through analytics-driven UI optimization and deployed with Nginx reverse proxy for load balancing.

EDUCATION

Sikkim Manipal Institute of Technology (SMIT) *2023 – 2027*

B.Tech in Computer Science and Engineering • CGPA: 8.6/10

CERTIFICATIONS

- IBM Data Science Specialization — Python, SQL, Data Analysis, Machine Learning, Data Visualization
- Google Data Analytics Professional Certificate — SQL, Data Cleaning, R, Tableau, Business Analytics
- IBM Machine Learning with Python — Supervised/Unsupervised Learning, Scikit-learn, Regression, Classification

ACHIEVEMENTS

- Winner: CodeSummit@Sikkim'50 (National Hackathon, 2025) and Devopia 2.0 (Dell Hackathon, 2025)
- Finalist: NER Tech Hackathon 2025, Hack Synthesis 2.0, and AVISHKAAR Season 2 (National Hackathon, 2025)