



NIKHIL BHAGAT

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[Github](#) / [Linkedin](#) / [Portfolio](#)

Address: Hathkhola, Biratnagar, Nepal

Objective

Full-Stack Developer with 8+ years of experience in designing scalable backend systems and integrating AI/ML solutions. Expertise in modern frameworks (React, React Native, Django REST framework, Node.js) and tools like OpenAI, LangChain, and TensorFlow. Proven track record of delivering high-impact applications, optimizing workflows through automation, and contributing to open source ecosystems.

Technical Skills

- ✓ Languages: JavaScript (ES6+), Python, SQL
- ✓ Frontend: React.js, Next.js, Tailwind CSS, Material UI
- ✓ Backend: Node.js, Express.js, Django REST Framework, Firebase, Appwrite
- ✓ Databases: MongoDB, PostgreSQL, Pinecone
- ✓ Cloud/DevOps: Docker, Kubernetes, Jenkins, Azure, GitHub Actions
- ✓ Mobile: React Native, Expo
- ✓ AI/ML: OpenAI API, LangChain, Machine Learning Integration
- ✓ Tools: Git, RESTful APIs, Microservices, CI/CD Pipelines

Projects

1. AI-Powered Source Code Analyzer Tool

- GitHub: [Link](#)
- Built a chatbot leveraging OpenAI API to analyze and explain codebases, reducing debugging time by 30%.
- Tech Stack: Python, LangChain, Generative AI

2. Neural Network Visualizer Tool

- Live Demo: [Link](#)
- Created an interactive React.js tool to visualize neural networks, adopted by 200+ users for educational purposes.

- Tech Stack: React.js, D3.js, TensorFlow

3. Microservice Generator Tool (Turbogen)

- npm Package: [Install it](#) (`npm i turbogen`)
- Automated microservice scaffolding, cutting setup time by 50% for Node.js projects.
- Tech Stack: Node.js, CLI Tools

4. Battisputali Backend (Community App)

- GitHub: [Link](#)
- Developed a scalable backend for a community app serving 10k+ users with real-time features.
- Tech Stack: Node.js, MongoDB, WebSocket, Cloudinary

5. QR Code Scanner & Generator Suite

- GitHub: [Scanner](#) / [Generator](#)
- Streamlined event check-ins for 2k+ users; reduced manual entry errors by 90%.
- Tech Stack: React Native, Expo, MongoDB

(Additional projects: [Portfolio](#) / [Github](#))

Educational Qualification

Bachelor of Computer Application (BCA)

Mahendra Morang Aadarsha Multiple Campus | 2025

Secondary School Certificate

Merryland College | 2013

Experience

CineART • Hong Kong • 06/2022 — Present

Backend Developer

Lead backend development for a LinkedIn-style platform for Nepal, building scalable APIs using Django REST Framework.

- Designed and deployed microservices with Docker and Heroku; planning AWS migration.
- Implemented engagement-based algorithm to rank user posts and boost content visibility.

- Set up CI/CD with GitHub Actions and integrated third-party services.
- Implemented secure auth systems (JWT), optimized performance with Redis, and improved server efficiency.
- Collaborated with cross-functional teams and mentored junior developers for clean, test-driven code.
- Collaborated with other team members to troubleshoot and resolve issues efficiently.

Certifications & Open Source

- ✓ npm Contributor: Published Turbogen (1k+ weekly downloads) and 4+ utility packages.
- ✓ Open Source: 75+ repositories with 50+ stars; active contributor to AI/ML tools.

Core Competencies

- ✓ API Design & Scalability | CI/CD Pipelines | Agile Development
- ✓ Problem-Solving | Cross-functional Collaboration | Technical Documentation

Interests

Generative AI Research, Cloud-Native Architecture, Open-Source Development