



GANESH KUMAR KOIRI

B.Tech. - Computer Engineering
- School Of Technology

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Butwal, Lumbini, Nepal - 32907



PROFESSIONAL SUMMARY

Computer Engineering student with hands-on experience in full-stack software development and AI-driven applications. Skilled in Java, Python, JavaScript, React, Node.js, FastAPI, SQL, REST APIs, and MongoDB, with a strong foundation in DSA, OOP, and DBMS. Experienced with Git, GitHub, Docker, LLM integration, and RAG. Passionate about building scalable software solutions and solving real-world engineering problems.

KEY EXPERTISE

Programming: Java, Python, JavaScript, SQL Frontend: React.js, HTML5, CSS3, Tailwind CSS
Backend: Node.js, Express.js, FastAPI, REST APIs Database: MongoDB, MySQL
Development: JWT Authentication, API Integration, Agile/Scrum Tools: Git, GitHub, Docker, Linux
CS Fundamentals: DSA, OOP, DBMS, Operating Systems, Computer Networks AI: LLM Integration, RAG, Vector Embeddings

EDUCATION

Pandit Deendayal Energy University B.Tech. - Computer Engineering - School Of Technology CGPA: 7.40 / 10	2023 - 2027
Manimukunda secondary college, Butwal 12 th NEB Percentage: 70 / 100	2023
Chitwan Secondary School, Butwal 10 th NEB Percentage: 88.75 / 100	2021

INTERSHIPS

Zaalima Development IT / Computers - Software Key Skills: JavaScript (ES6+), React.js, Node.js, Express.js, FastAPI, HTML5, CSS3, Tailwind CSS, MongoDB, REST APIs, Git & GitHub, JWT Authentication, GitHub, API Integration, AI/LLM Integration Retrieval-Augmented Generation (RAG) Vector Embeddings I had a great internship experience at Zaalima Development Pvt. Ltd. The mentors were supportive, and I had the opportunity to work on real-world full-stack development projects. The team was friendly, the work environment was professional, and I learned many practical skills that improved my technical knowledge and confidence. I highly recommend this company to students and freshers looking for quality internship opportunities and hands-on industry experience. Thank you to the entire team for such a valuable learning experience.	25 Mar, 2026 - 25 Jun, 2026
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PROJECTS

OPSMIND-AI Mentor: Santosh Gouda Team Size: 4 Key Skills: Python, FastAPI, React, MongoDB, Docker, LLM, RAG, Vector Database, Git Project Link: https://github.com/koiriganesh6/opsmind-ai/tree/main/opsmind-ai OpsMind AI is a full-stack, enterprise-grade AI platform designed to transform static corporate documents (SOPs, manuals, policy guides) into dynamic, interactive knowledge bases. Using Retrieval-Augmented Generation (RAG), it provides zero-hallucination answers with precise citations, all wrapped in a premium, high-fidelity glassmorphic interface.	05 May, 2026 - 10 Jul, 2026
GITGUARD-AI Mentor: Santosh Gouda Team Size: 4 Key Skills: RAG Vector Embeddings MongoDB Docker REST API JWT Authentication HTML CSS JavaScript React Tailwind CSS Node.js Express.js Project Link: https://github.com/koiriganesh6/GitGuard-AI	05 Apr, 2026 - 04 May, 2026

Developed GitGuard-AI, an AI-powered GitHub security assistant that scans repositories for secrets, API keys, and security vulnerabilities. Implemented secure authentication, repository analysis, AI-driven code review, and real-time issue detection using LLMs and Retrieval-Augmented Generation (RAG). Integrated GitHub APIs for repository access, MongoDB for data storage, Docker for containerization, and React with Tailwind CSS for the frontend. Collaborated in a team of four using Git and GitHub following Agile development practices.

Money App (FinTech)

Key Skills:

- User Research
- User Flow
- Prototyping
- Mobile UX
- Auto Layout
- Information Architecture
- Components & Variants
- FinTech UX
- Design System

Project Link: <https://www.figma.com/proto/Di2QLjwr0FsVkDyGn4bQZc/Money-App.fig.?node-id=28-192&starting-point-node-id=28%3A192>

Designed a modern mobile banking application that enables users to manage accounts, transfer money, monitor transactions, and track expenses. Focused on creating a secure, intuitive, and user-friendly experience using a clean visual hierarchy and consistent design system.

Music App

- Key Skills:
- Mobile UI
- Visual Design
- Grid System
- Auto Layout
- Responsive Web Design
- UI Design
- Brand Identity

Project Link: <https://www.figma.com/proto/CslbZ5o9t11mfXrY0EdSPv/Music-file--Git-Hub-?node-id=1-10537&p=f&t=rkDC0jArzWzvW3ce-0&scaling=min-zoom&content-scaling=fixed&page-id=0%3A1&starting-point-node-id=1%3A1454>

Designed a music streaming application featuring playlists, albums, artist profiles, and an integrated music player. Prioritized usability, intuitive navigation, and engaging interactions.

ASSESSMENTS / CERTIFICATIONS

"Future Smart Cities: From Challenges to Hands-on Solutions through AI, Quantum Computing, and 6G Technologies"

Provider: Pandit Deendayal Energy University (PDEU), Gujarat Council on Science and Technology (GUJCOST), MathWorks

Key Skills:

Artificial Intelligence (AI), Quantum Computing, 6G Technologies, Smart Cities, MATLAB, Signal Processing, Emerging Technologies

Successfully participated in the National Short-Term Program on "Future Smart Cities: From Challenges to Hands-on Solutions through AI, Quantum Computing, and 6G Technologies" organized by the Department of ICT and ECE, Pandit Deendayal Energy University (PDEU), Gandhinagar, from 4th–8th September 2025.

Healthcare 4.0: Innovating Solutions with Python

Provider: Department of Computer Engineering & IQAC, School of Technology, Pandit Deendayal Energy University (PDEU)

- Key Skills:
- Python
- Healthcare Analytics
- Problem Solving
- Data Analysis
- Programming

Participated in a two-day workshop on "Healthcare 4.0: Innovating Solutions with Python" organized by the Department of Computer Engineering and IQAC, School of Technology, Pandit Deendayal Energy University (PDEU), held on 05–06 October 2024.

Data Science

Provider: CodeWithHarry

- Key Skills:
- Data Science
- Python
- Data Analysis
- Machine Learning

Successfully completed **"The Ultimate Job Ready Data Science Course"** from CodeWithHarry on **March 27, 2026**. The certification demonstrates completion of structured training in Data Science.

PERSONAL DETAILS

Gender: Male	Date of Birth: 17 May, 2003
Marital Status: Single	Known Languages: NEPALI,ENGLISH,GERMAN,HINDI
Current Address: Gandhinagar, Gujarat, Butwal, Lumbini, Nepal - 32907	Permanent Address: Pratappur-07, Ratanpura (Nepal)
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