Subesh Yadav

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PROFESSIONAL SUMMARY

Engineering Student | Software Developer | AI/ML Enthusiast

Engineering student and full stack developer with hands-on experience in building scalable applications. Strong interest in AI/ML with practical exposure to Python, data analysis, and machine learning. Adept at solving real-world problems and collaborating in team environments.

EDUCATION

Pulchowk Campus, Tribhuvan University
Bachelor in Computer Engineering   *Jan 2024 – Jan 2028*
Kist College & SS
Higher Secondary Education (+2), GPA: 3.86   *Mar 2021 – Mar 2023*

TECHNICAL SKILLS

Programming Languages: C/C++, Python, JavaScript, TypeScript
Frontend Technologies: React, Next.js, HTML, CSS, Tailwind CSS
Backend & Database: Node.js, MongoDB, SQL, PostgreSQL, Prisma ORM
Data Science & Machine Learning: Pandas, NumPy, Matplotlib, Scikit-Learn
Tools & Platforms: Git, GitHub, Jupyter Notebooks, REST APIs, Vs Code, Postman

RELEVANT EXPERIENCE

Code for Nepal   *May 2025 – Present*
Data Science Fellow
- Participating in a fellowship focused on Python, data analysis, SQL, and machine learning.
- Working with tools like pandas, scikit-learn, and Jupyter Notebooks on hands-on projects.

Blogger   *Apr 2018 – Apr 2023*
Blogger – Education Content Creator
- Created academic blogs with optimized content tailored for students and lifelong learners.
- Utilized Google Keyword Planner to perform keyword research, identify high-traffic keywords, and plan SEO-driven articles.
- Monitored performance using Google Analytics, identifying top-performing content and refining strategies for improved engagement.
- Applied on-page SEO techniques including meta tags, heading structures, and content formatting.
- Increased organic traffic and reader retention by optimizing for search intent and audience behavior.

PROJECTS

Nepal Premiere League (NPL) Dataset ⧉
- Developed a comprehensive sports dataset including match details, player rankings, and scores.
- Demonstrated strong analytical skills and passion for sports analytics.

Air Quality Forecasting in Kathmandu – ML Project ⧉
- Developed the Nepal Premier League (NPL) dataset collaboratively for the Foundation of Data Science course.
- Conducted exploratory data analysis (EDA) to understand patterns and trends in the data.
- Applied predictive modeling techniques to forecast air quality index (AQI) levels in Kathmandu, helping address urban pollution monitoring.
- Enhanced skills in data analysis, machine learning, and effective teamwork throughout the project.

Electronic Store Website (MERN Stack) ⧉
- Built a full-stack eCommerce website using the MERN stack (MongoDB, Express.js, React, Node.js) with a responsive frontend and an admin panel for managing products and users.
- Implemented secure user authentication and integrated database management to support safe and efficient transactions.
- Enhanced skills in developing scalable web applications and managing complex backend and frontend data interactions.

Full Stack Blog Platform - Next.js, Prisma, PostgreSQL ⧉
- Built a full-stack blog with CRUD features and Clerk authentication for secure user management.
- Used Prisma with PostgreSQL for database handling and Next.js API routes for backend logic.
- Integrated Shadcn UI for a clean, responsive user interface.]

SOFT SKILLS & LANGUAGES

Soft Skills: Problem Solving | Critical Thinking | Team Collaboration | Communication
Languages: English (Fluent), Nepali (Fluent), Hindi (Conversational), Bajika (Native)