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, RESTful APIs, 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.

Upwork – Freelance Full-Stack Developer   *2025- Present*

- Delivered front-end and full-stack projects for clients using React, Next.js, Node.js, and databases.
- Built responsive, visually appealing websites with user authentication, CRUD functionality, and API integrations.

Blogger   *Apr 2018 – Apr 2023*

Blogger – Education Content Creator

- Created academic blogs optimized for SEO using keyword research and Google Analytics.
- Increased organic traffic and engagement through on-page SEO and content strategies.

PROJECTS

Next.js Full Stack Blog with AI Summarization ⬀
- • Built a full-stack blog platform with secure user authentication (Clerk) and complete CRUD functionality.
- • Integrated AI-powered content summarization using OpenAI's API for enhancing user experience.
- • Leveraged Next.js with API routes, Prisma ORM, and PostgreSQL for backend; used Shadcn UI for responsive and polished frontend design.

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.

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.

SOFT SKILLS & LANGUAGES

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