

BIMAL PAUDEL

Software Developer | Python | AI Engineer

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Summary

Software engineer with over three years of experience. Proficient in AI-powered web applications development with Python, Typescript, FastAPI, and AWS. Passionate about creating optimized and scalable solutions. Looking for a full-time position where I can contribute to meaningful and innovative projects.

Education

Berlin School of Business and Innovation <i>Masters of Science in Data Analytics</i>	Berlin, Germany 2024 – Present
Softwarica College of IT and E-Commerce <i>Bachelors of Science in Computing</i>	Kathmandu, Nepal 2016 – 2020

Professional Experience

Software Engineer <i>InfoDevelopers Pvt. Ltd.</i>	2022 – 2024 Kathmandu, Nepal
<ul style="list-style-type: none">Assisted in digitizing a bank's loan approval process by integrating it with the Core Banking System for faster decisions.Integrated a third-party psychometric analysis API into the loan system under a tight deadline.Developed a government revenue-sharing system to allocate fiscal grants based on population and socio-economic factors.Mentored an intern, guiding them to become a fully contributing team member. <p><i>Tech stack:</i> Python, Django, React, PostgreSQL, Celery, REST API, Docker</p>	
Junior Software Engineer <i>InfoDevelopers Pvt. Ltd.</i>	2021 – 2022 Kathmandu, Nepal
<ul style="list-style-type: none">Developed a customizable CMS for Nepal Police using Django-CMS, tailored to their operational needs.Actively participated and led in client meetings to gather requirements and showcase progress for feedback.Managed evolving requirements and tight deadlines to ensure timely feature delivery. <p><i>Tech stack:</i> Python, Django-CMS, PostgreSQL, Docker</p>	

Projects

Masters Dissertation: Research on deep-learning techniques for low-light object detection using PyTorch with comparative evaluation of models such as YOLOv10, YOLOv8 and Faster R-CNN.

Job Application Automator: A fullstack application to automatically fill job application forms using a browser extension and keep track of the applications via a Dashboard.

Skills

Tools and Technologies

Python • FastAPI • Django • Typescript • Next.js • PostgreSQL • PyTorch • Transformers • LLM • AI Agents • RAG • GitHub Actions • Redis • Kubernetes • AWS

Soft Skills

Problem Solving • Communication • Planning • Critical Thinking • Adaptability

References

Kit Kuksenok, PhD, Processing Foundation, Project Lead (p5.js)

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