NIKHIL KHANAL

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ACADEMIC QUALIFICATION

Orchid International College | *Bachelor of Information Management*   Oct' 19 – Dec'24
- **Cumulative GPA**: 3.71 / 4.00
- **Relevant Coursework**: Software Project Management, Software Engineering, Cybersecurity, Database Management System**,** Web Technology

PUBLICATIONS

Acharya, P. M., with contributions from Khanal, N. (manuscript submitted for publication). *Socio-ecological dynamics and smooth-coated otter in Nepal's Lower Karnali River Basin*.

TECHNICAL SKILLS

- **UI/UX & Information Architecture:** Figma, Adobe Photoshop, Dribbble, wireframing, navigation systems, content structuring, usability design
- **Project Management Tools & Methodologies:** Jira, Trello, ClickUp, Hubstaff, Google Sheets, Agile (Scrum, Kanban), MVC
- **Data Analysis & Machine Learning:** Power BI, MS Excel, Looker Studio, supervised/unsupervised learning, Naïve Bayes, model evaluation
- **Databases:** MySQL, SQLite (design, development, ORM integration)
- **Programming:** PHP, Java, JavaScript, Python (Intermediate)
- **Web Technologies:** HTML, CSS, JavaScript, XAMPP, Visual Studio Code
- **Operating Systems:** Windows, Linux
- **Other (Systems Programming):** Bootloader development, kernel programming, interrupt handling, OS-level input, ISO creation
- **Soft Skills:** Communication, Time Management, Problem Solving, Critical Thinking

WORK EXPERIENCE

Amoeba Labs, Information Architecture - UI/UX   Sep' 24 – present
- Managed comprehensive UX design across multiple client projects
- Conducted user research, UX audits, and usability testing across diverse industries
- Designed and shipped large-scale products with high user engagement and performance
- Built and maintained scalable design systems, interaction flows, and prototypes
- Specialized in Figma, wireframing, prototyping, and design documentation
- Designed for AI-powered platforms, gaining expertise in prompt-driven and human-AI interface design
- Contributed to EdTech solutions focused on accessibility and learning outcomes
- Adapted designs for celebrity brands and SMEs, honing storytelling and brand alignment
- Gained strong experience in B2B collaboration, client management, and scalable design delivery

Rising Academy, Math and Computer Teacher/ Grade Teacher   Dec'24 – Aug' 25

- Served as a Grade Teacher, managing classroom activities, supporting students' academic and personal development, and maintaining regular communication with parents and school administration.
- Designed and delivered engaging Math and Computer lessons tailored to the curriculum for grades 5–8, focusing on concept clarity, problem-solving skills, and real-life application

Bajra Technologies Pvt. Ltd., Project Manager Trainee   **Jun'24 – Sep'24**
- Led the development of BizOS, an in-house product, ensuring timely delivery by effectively managing the team and workflow
- Implemented Scrum and Kanban in BizOS for effective task management and facilitated productive team meetings
- Leveraged Looker Studio to present sprint cycle insights, showcasing employee performance and project activities, enhancing team visibility and decision-making

Dreamland Publication Pvt. Ltd., Data Analyst   **Jan'20 – Jan'21**
- Analyzed book sales and financial data to generate actionable insights, enabling optimization of business performance and decision-making
- Designed Power BI dashboards to create visualizations (charts, graphs) improving strategies for book sales and financial performance
- Collaborated with sales and finance teams, refining reports using Power Query and DAX for better alignment with business goals

PROJECTS

- **Developed a minimal operating system from scratch** using C++ and Assembly, implementing bootloader, kernel, interrupt handling, and basic keyboard input; produced a bootable ISO for testing on emulators and hardware.
  https://github.com/iamnikhil7/os_from_scratch.git
- **Implemented a Multinomial Naïve Bayes–based text analysis tool** for text classification using Python (tokenization, stop-word removal, feature-vector generation, training, and evaluation)
  https://github.com/iamnikhil7/mnb_textanalysis.git
- **Developed a Doctor Appointment Management System prototype** for Sukraraj Tropical Hospital using core PHP, HTML/CSS, and MySQL; tested locally with XAMPP and built in Visual Studio Code.
  https://github.com/iamnikhil7/DAMS.git
  Abstract: https://drive.google.com/file/d/1Jk5E3ZWsAZVKpZ8Cjw0qMhsU9PHi8yR9/view?usp=sharing

TRAININGS AND CERTIFICATIONS

- **45 hours of Python Django Training – Broadways Infosys (ISO-certified), Nov'22 – Dec'22**
  Gained hands-on experience in Django's MVC architecture, database management with ORM, user authentication, and deployment
  Applied these skills in personal projects like a To-Do List application (https://github.com/iamnikhil7/To-do-List), handling backend development and database interactions
- **Diploma in Building High Accuracy Model With Core Machine Learning – Alison, Jun 2025**
  Completed an advanced program covering supervised/unsupervised algorithms, model evaluation techniques, hyperparameter tuning, and overfitting/underfitting prevention
  Applied concepts to build and test classification and regression models using real-world datasets

- **Information Architecture (IA) Fundamentals – Alison, May 2025**
  Learned principles of structuring and organizing digital content for usability, including navigation systems, content labeling, and wireframing
  Applied IA concepts in designing clear, user-friendly layouts for personal web projects
- Attended the **ISP First Training's Contest Webinar**, gaining insights into marketing strategies and trends. (**1st March 2024**)

EXTRACIRRICULARS

Club Orchid | *Founder and Treasurer*   **June'19 – Jul'24**
- Founded the first-ever club in college to foster collaboration and creativity
- Organized blood donation drives in collaboration with Nepal Red Cross Society, collecting 58 pounds of blood, with local influencers boosting participation
- Organized various recreational and festive events, including the Holi (festival of colors) program, futsal tournaments, and Prom Night, with 300-400 attendees
- Led fundraising initiatives and secured sponsorships from companies like Nepal Airlines, Yeti Airlines, and Dreamland Publication, raising approximately $750 USD in cash and in-kind support for student events
- Managed the club budget and prepared financial reports