

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

ACADEMIC OBJECTIVE

To pursue graduate research in Information Systems, specializing in Healthcare IT, leveraging expertise in System Architecture, Data Analysis, and Project Management to design scalable, data-driven solutions for clinical resource management and societal impact.

RESEARCH AND PROJECT EXPERIENCE

Research Assistant: Socio-ecological Dynamics and Otter Conservation, Lower Karnali River Basin – Bardia National Park (**PhD Research Project, ongoing**)

- Assisted in field-level data collection including Focus Group Discussions (FGDs) and Key Informant Interviews (KII)
- Supported documentation and preliminary analysis for socio-ecological assessment
- Contribution will be formally acknowledged in the manuscript upon finalization, as noted by the principal investigator

Research Prototype: Revived Doctor Appointment Management System for digital vs. manual record-keeping study (**Supervised Project, 2025**)

- Extended the Summer Project under supervision of by [Dr. Sushma Dahal](#), collecting data from doctors, patients, and staff using system usage logs and validated surveys
- Completed data collection and analysis; manuscript in progress
- Built multi-user web-based system using PHP, MySQL, HTML, CSS, and JavaScript; code available on Hosted live at: <https://healthappointmentsystem.page.gd/>

Research Prototype: Designed a text analysis tool (**Personal Project, 2024**)

- Built a text classification tool using Python with Multinomial Naïve Bayes, including tokenization, stop-word removal, and feature vector generation.
- Trained and evaluated the model for accurate text analysis; code available on GitHub: https://github.com/iamnikhil7/mnb_textanalysis.git

Project: Designed a scalable web application prototype for Sukraraj Tropical Hospital (**Course Project, 2023**)

- Built a web-based system for managing doctor appointments, patient records, and automated reports

- Implemented secure multi-user access for patients, doctors, and admins using PHP, MySQL, HTML, CSS, and JavaScript; code available on GitHub: <https://github.com/iamnikhil7/Summer-Project-DAMS>

Technical Reports: Prepared and organized project documentation (**Academic and Professional 2022–2024**)

- Prepared Summer Project and Internship reports and presentation during bachelor's studies; portfolio available at: <https://portfolio-pied-psi-nfsrhvd3s5.vercel.app/college-projects.html>
- Developed and delivered presentation slides and professional planning artifacts (Project Charters, WBS, RACI Matrices) during internship at Bajra Technologies Pvt. Ltd.; portfolio available at: <https://portfolio-pied-psi-nfsrhvd3s5.vercel.app/bajra.html>

Collaborative Coding Sessions: Gained hands-on programming experience through coursework (**Academic, 2021–2024**)

- Practiced coding concepts and techniques in subjects like Web Technology, Database Management, and Programming using PHP, MySQL, Python, Java, HTML, CSS, and JavaScript.
- Learned and applied software development methodologies including Waterfall, Agile, and Incremental development, as well as version control with Git
- Worked collaboratively on exercises, strengthened problem-solving skills, and shared code on GitHub: <https://github.com/iamnikhil7/college-projects>

PUBLICATIONS

Khanal, N. (2025). *From Manual Records to Digital Systems: Building a Doctor Appointment Management System*.

Manuscript submitted for review to the Himalayan Journal of Applied Science and Engineering.

WORK EXPERIENCE

Amoeba Labs, Information Architecture - UI/UX	Sep' 24 – present
<ul style="list-style-type: none"> • Managed UX design for multiple client projects, conducting user research, audits, and usability testing • Designed and shipped large-scale products with high engagement; built scalable design systems, interaction flows, and prototypes • Specialized in Figma, wireframing, prototyping, and design documentation • Designed AI-powered platforms, EdTech solutions, and client-focused products for accessibility and brand alignment • Collaborated with B2B clients, celebrity brands, and SMEs, gaining experience in client management and scalable design delivery 	

Rising Academy, Math and Computer Teacher/ Grade Teacher	Dec'24 – Aug' 25
<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • Involved in agile projects like BizOS and Healthsuite, handling sprint planning, task tracking, and PM dashboards in Looker Studio 	

- Prepared core project documents including the Project Charter, PRD, WBS, and RACI Matrix, supporting project planning and coordination
- 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

SKILLS

- **UI/UX & Information Architecture:** Figma, Adobe Photoshop, Dribbble, wireframing, navigation systems, content structuring, usability design
- **Project Management Tools:** Jira, Trello, ClickUp, Hubstaff, Google Sheets
- **Design and Simulation Software:** Cisco Packet Tracer, MS Visio
- **Data Analysis:** Power BI, MS Excel, Looker Studio
- **Databases:** MySQL
- **Web Technologies:** HTML, CSS, JavaScript, XAMPP, Visual Studio Code
- **Programming & Version Control Tools:** PHP, Java, JavaScript, Python, Git (Intermediate)
- **Operating Systems:** Windows, macOS
- **Research Skills:** Statistical Modeling, Research Writing
- **Soft Skills:** Communication, Problem Solving, Critical Thinking, Presentation Skills, Teamwork
- **Other:** Academic Mentoring, Event Management, Virtual Assistance

TRAININGS AND CERTIFICATIONS

- **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
- **Information Architecture Fundamentals – Alison, May 2025**
Learned principles of structuring and organizing digital content for usability, including navigation systems, content labeling, and wireframing
- **Marketing Webinar – ISP First Training's Contest, March 2024**
Attended the seminar gaining insights into marketing strategies and trends
- **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, handling backend development and database interactions; code available at: <https://github.com/iamnikhil7/To-do-List>

EXTRACIRCULARS

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.

REFERENCES

Er. Nipun Thapa
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