

## NIKHIL KHANAL

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## ACADEMIC QUALIFICATION

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**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

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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

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**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](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**

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Khanal, N. (2025). *Identifying the barriers of using digital appointment systems in hospitals in Nepal*. Manuscript submitted for review to Informatics in Medicine Unlocked (Elsevier).

## **WORK EXPERIENCE**

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<b>Amoeba Labs, Information Architecture - UI/UX</b>	<b>Sep' 24 – present</b>
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- 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

<b>Rising Academy, Math and Computer Teacher/ Grade Teacher</b>	<b>Dec'24 – Aug' 25</b>
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- 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

<b>Bajra Technologies Pvt. Ltd., Project Manager Trainee</b>	<b>Jun'24 – Sep'24</b>
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- 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**

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- **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**

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- **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**

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### **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

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Er. Nipun Thapa  
Project Supervisor, Lecturer  
Orchid International College  
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Darshan Awasthi  
Founder & C.E.O  
Amoeba Labs Pvt. Ltd.  
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