

Ashish Acharya — आशीष आचार्य

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Ashish-we

Profile

Highly motivated and detail-oriented Computer Science Ph.D. student at Old Dominion University (Fall 2025 – Present). Research focus in Machine Learning and Artificial Intelligence with a strong mathematical background. Experienced in backend development, and ML projects, aiming to contribute to AI-driven technologies.

Education

Old Dominion University

Ph.D. in Computer Science

Research focus on Machine Learning & AI

Norfolk, USA

Fall 2025 – Present

Tribhuvan University, Paschimanchal Campus

B.E. in Computer Engineering, Distinction (82.76%)

Ranked top 3 of 48 students. Relevant modules: AI, Probability & Statistics, Algorithms, Data Mining, Big Data, DBMS.

Pokhara, Nepal

2019 – 2024

Research Experience

Final Year Research Project

Video-Based Vehicle Classification

Nepal

Jul 2023 – Feb 2024

- Evaluated YOLO-v8 for traffic surveillance under varying conditions (day/night/rain).
- Classified CCTV footage frames based on environmental factors.
- Analyzed accuracy across traffic densities and developed insights.
- Built a model for efficient traffic monitoring.

Professional Experience

Skybase Innovation

Backend Developer

Pokhara, Nepal

Apr 2024 – Dec 2024

- Sole developer for backend of **CUPID** (dating app) – database design, queries optimization.
- GearChecker** (Norway project): Laravel backend, Livewire, MySQL, many-to-many relations.
- Contributed to GharDurbar, Sky Gyan, Talent (with Elasticsearch), and Pokhara College CMS.

TukiSoft Pvt. Ltd.

Backend PHP (Laravel) Intern

Pokhara, Nepal

Nov 2023 – Dec 2023

- Built a solo project: Ad management system.
- Worked on LMS, consultancy websites, e-learning systems with payment integrations.

Technical Skills

Programming: Laravel (Proficient), Python (NumPy, Pandas, PyTorch, TensorFlow), SQL, C, C++, PHP, JavaScript

Other: Database Design, ETL processes, Algorithms, Probability & Statistics

Soft Skills

Analytical problem-solving, Team collaboration, Communication, Adaptability, Quick learner

Achievements

2018: High School Topper (Science Stream)

2019: Ranked 362/20,000+ in IOE Entrance Exam

2019 – 2024: Full Government Scholarship for B.E. Computer Engineering

2024: Winner – Skybase Innovation Hackathon