

Ashish Acharya — आशीष आचार्य

Norfolk, VA, USA

acharya.seven@gmail.com ▪ github.com/Ashish-we ▪ <https://www.linkedin.com/in/acharya-ashish/>

EDUCATION

Ph.D. in Computer Science

Fall 2025 – Present

Old Dominion University (Norfolk, VA, USA)

Research focus on Machine Learning & AI

B.E. in Computer Engineering

2019 – 2024

Tribhuvan University, Paschimanchal Campus (Pokhara, Nepal)

Distinction (82.76%)

Ranked top 3 of 48 students.

RESEARCH EXPERIENCE

Video-Based Vehicle Classification

Jul 2023 – Feb 2024

Final Year Research Project (Nepal)

- 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

Backend Developer

Apr 2024 – Dec 2024

Skybase Innovation (Pokhara, Nepal)

- 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.

Backend PHP (Laravel) Intern

Nov 2023 – Dec 2023

TukiSoft Pvt. Ltd. (Pokhara, Nepal)

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

COURSEWORK AND SKILLS

Computer Science: Artificial Intelligence, Data Mining, Big Data, GIS, Distributed Systems, Computer Networks & Security, Database Management Systems (DBMS), Operating Systems, Software Engineering, Theory of Computation, Compiler Design, Computer Graphics, Data Communication, Object Oriented Analysis & Design, Data Structures & Algorithms, Simulation & Modeling, Information Systems, Internet & Intranet, Digital Signal Analysis & Processing.

Mathematics: Mathematics I, II, III, Applied Mathematics, Numerical Methods, Probability & Statistics, Discrete Structures.

Electronics & Engineering Core: Digital Logic, Microprocessors, Computer Organization & Architecture, Instrumentation I & II, Electronic Devices & Circuits, Electrical Circuits, Embedded Systems, Electrical Machines, Engineering Physics, Applied Mechanics, Thermodynamics, ICT Project Management, Engineering Economics.

Languages and Tools: Laravel (Proficient), Python (NumPy, Pandas, PyTorch, TensorFlow), SQL, C, C++, PHP, JavaScript, Git, \LaTeX .

**HONORS AND
AWARDS**

<i>Winner – Skybase Innovation Hackathon</i>	2024
<i>Full Government Scholarship – B.E. Computer Engineering</i>	2019 – 2024
<i>IOE Entrance Exam – Ranked 362/20,000+</i>	2019
<i>High School Topper – Science Stream</i>	2018