

Anushrut Ghimire

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Profile

Highly motivated science student with a strong academic foundation in **Computer Science and Mathematics**, combined with a growing passion for **independent research and theoretical innovation**. Demonstrates excellent problem-solving abilities, leadership skills, and a strong willingness to learn. Seeking undergraduate scholarship opportunities and early research exposure at internationally recognized universities.

Education

+2 (Higher Secondary) – Computer Science

Valmiki Shiksha Sadan, Chitwan, Nepal

Completed-2082

- GPA: 3.46
- Major Subject: Computer Science
- Participated in Cybersecurity Threat Awareness Program conducted by Ingskills
- Participated in National-Level Mathematics Olympiad

SEE – Science

Small Heaven School, Chitwan, Nepal

Completed-2079

- GPA: 3.35
- Member, Junior Red Cross Society (JRCS)
- Member, School Scouts
- Participated in Mathematics Olympiad

Technical & Professional Experience

Technical Training, Certifications & Applied Learning

- Completed multiple internationally recognized certification programs offered by **UNI-TAR, Coursera, and Udemy**, gaining structured exposure to scientific safety, data analysis, emerging technologies, cybersecurity, and governance frameworks.
- Acquired foundational knowledge in **nanomaterials safety**, including safe handling practices, risk assessment, regulatory awareness, and health considerations in advanced material science.
- Studied principles of **weapon management and control systems** with emphasis on safety protocols, ethical responsibility, and regulatory compliance.
- Developed conceptual understanding of **multi-agent artificial intelligence systems** using Google ADK concepts, focusing on system architecture, coordination, and enterprise-level applications.
- Gained awareness of **AI governance and compliance frameworks**, including ethical AI use, policy development, organizational risk management, and regulatory compliance.
- Completed training in **Wireshark** network traffic analysis, focusing on packet inspection and anomaly detection fundamentals.
- Gained practical knowledge in **data analysis and visualization** using Microsoft Excel, as well as digital performance tracking through **Google Analytics**.

Programming, Systems & Cybersecurity Skills

- **Python (Basic):** Familiar with core programming concepts, control structures, and logical problem-solving.
- **C Programming (Intermediate):** Strong understanding of structured programming, functions, control flow, and basic memory management.
- **Kali Linux (Intermediate):** Hands-on experience with Linux-based environments, system navigation, command-line tools, and introductory cybersecurity and penetration-testing concepts.
- **Wireshark:** Fundamental skills in network packet analysis and anomaly detection.
- **Excel Data Analysis:** Skills in data visualization and structured analytical techniques.
- **Google Analytics:** Understanding of digital metrics tracking and performance reporting.
- Applied programming and system-level skills to academic learning, technical exploration, and independent research.
- Solid foundation in computer systems fundamentals and computational thinking.

Academic Skill Application & Professional Development

- Applied analytical and critical thinking skills to understand complex technical and theoretical concepts.
- Utilized structured problem-solving methodologies in academic tasks, independent research, and competitive learning environments.
- Developed professional technical documentation using L^AT_EX (Overleaf) and standard academic tools.
- Demonstrated effective communication, presentation, and collaboration skills in academic and training settings.

Scholastic Enrichment & Competitive Training

- Participated in the **Rising Stars Online Training Program** organized by the African Olympiad Academy (AOA).
- Engaged in structured enrichment activities focused on mathematical reasoning, logical analysis, and competitive problem-solving.

Independent Research Experience

Independent Theoretical Research – Magnetic Propulsion Systems

Self-Directed Researcher

- Conceptualized a theoretical model for a **magnetically assisted, wheel-less vehicle system**
- Explored magnetic repulsion and controlled electromagnet activation for forward and backward motion
- Focused on energy efficiency, friction reduction, and future transportation concepts
- Structured research thinking into problem definition, background study, proposed mechanism, testable predictions, and limitations

Research Focus

- Magnetic propulsion and levitation concepts
- Energy-efficient transportation technologies
- Electromagnet-based motion control systems
- Application of computer science principles to physical systems
- Future mobility and advanced transportation innovation

Certifications

- UNITAR Certified Course on Nanomaterials Safety

- UNITAR Certified Course on Effective Weapons and Ammunition Management (WAM DDR)
- UDEMAY Certified Course on Master Google ADK: Build Enterprise Multi-Agent AI Systems
- UDEMAY Certified Course on AI Governance and Compliance for HR Professionals
- Coursera Certificate on Overview of Data Visualization
- Coursera Certificate on Wireshark for Security: Detect Network Anomalies
- Coursera Certificate on Introduction to Data Analysis using Microsoft Excel
- Coursera Certificate on Getting Started in Google Analytics
- Coursera Certificate on Constructing Stock Market Indices
- Certificate on Supporting People Living with Dementia – Introductory Module
- Participated in Rising Stars Online Training Program organized by the African Olympiad Academy (AOA)

Skills

Professional Skills

- Strong problem-solving and analytical reasoning skills developed through academic study, research activities, and competitive learning programs
- Effective verbal and written communication, including public speaking and academic presentation
- Leadership and team coordination skills demonstrated through group activities, training programs, and collaborative learning
- Active listening, adaptability, and the ability to work effectively in team-based environments
- Ability to remain calm and focused under pressure while addressing complex tasks and challenges
- High motivation for continuous learning, self-improvement, and skill development in technical and academic fields

Technical & Academic Skills

- Programming foundations with **Python (Basic)** and **C (Intermediate)**, including control structures, functions, and structured problem-solving
- Intermediate experience with **Kali Linux**, including command-line usage, system navigation, and introductory cybersecurity tools
- Network traffic analysis using **Wireshark**, including packet inspection and anomaly detection
- Data analysis and visualization with **Excel**, applying structured analytical techniques
- Familiarity with **Google Analytics**, including digital performance tracking and reporting
- Strong understanding of computer systems fundamentals and computational thinking
- Logical, analytical, and critical thinking applied to technical problem-solving and theoretical research
- Ability to understand and analyze complex technical concepts through structured academic learning and independent study

Organizational Engagement & Community Involvement

- **Lifetime Member, Nepal Red Cross Society**, demonstrating long-term commitment to humanitarian values, social responsibility, and community service
- Active involvement in Red Cross-related awareness and service-oriented activities through school and community engagement

- Former Member, **Junior Red Cross Society (JRCS)**, participating in programs focused on humanitarian awareness, health, and social service
- Member, **School Scouts**, developing discipline, teamwork, leadership responsibility, and organizational skills
- Contributed to collaborative group activities, strengthening communication, coordination, and ethical decision-making abilities

Languages

- English: C1 (Advanced)
- Nepali: C1 (Advanced)
- Hindi: B1 (Intermediate)

Hobbies & Interests

- Coding and technology exploration
- Travelling
- Reading books
- Listening to music
- Social work and community involvement

Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge.

References

Available upon request.