

# ARNAV SHARMA

+977-9840033018 ◇ Baluwatar, Kathmandu

[arnav6266@gmail.com](mailto:arnav6266@gmail.com) ◇ [linkedin.com/in/arnav-sh](https://linkedin.com/in/arnav-sh) ◇ [github.com/srmaarnav](https://github.com/srmaarnav) ◇ [www.arnavsharma.com.np](http://www.arnavsharma.com.np)

## OBJECTIVE

---

Motivated Computer Science student with strong proficiency in Python, software development, machine learning, and Linux. With experience building AI models, APIs, and data-driven applications, I am seeking a Python-focused role to solve technical challenges and deliver innovative solutions.

## EDUCATION

---

**B.Sc. Computer Science and Information Technology**, Tribhuvan University Expected 2025

Relevant Coursework: Data Structures and Algorithms, Cryptography, Design and Analysis of Algorithms, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Image processing, Network Security, Network and System Administration, Cloud Computing, Data Warehousing and Data Mining

## SKILLS

---

<b>Programming Languages</b>	Python, JavaScript, C++, C, C#, PHP, SQL, HTML/CSS
<b>Frameworks &amp; Libraries</b>	Laravel, Django, Flask, Streamlit, Bootstrap, Chainlit
<b>Tools &amp; Technologies</b>	Docker, Jenkins, Git, Apache, NGINX, AWS, Kubernetes
<b>Development Tools</b>	Jira, Trello, Slack, IntelliJ, PyCharm, Visual Studio, Jupyter Notebooks

## EXPERIENCE

---

**Associate DevOps Engineer** Nov 2024 - Present  
Quickfox Technologies *Jhamsikhel, Lalitpur*

- Spearheaded the design and deployment of a CI/CD pipeline utilizing GitHub Actions, Jenkins and Docker
- Gained comprehensive experience working with Amazon Web Services (AWS) to set up and manage internal infrastructure

**DevOps Intern** Aug 2024 - Nov 2024  
Amnil Technologies *Dhobighat, Lalitpur*

- Led the implementation of a CI/CD pipeline using Jenkins and GitLab
- Gained hands-on experience with AWS deployment, container orchestration tools, and monitoring tools.

## PROJECTS

---

**Chess Engine.** Developed a versatile chess engine in Python using Pygame for the UI, implementing the Negamax algorithm with Alpha-Beta Pruning to enable strong AI decision-making across various gameplay modes. ([Check it out here](#))

**URL Shortener API.** Built an API that generates short URLs, saves them in runtime, checks for duplicates, and includes unit testing for reliability. Developed with Python and Flask to efficiently handle URL shortening tasks. ([Check it out here](#))

**Snake AI.** Trained an AI snake player using Python and Pygame with reinforcement learning techniques, allowing it to autonomously improve gameplay. Successfully implemented an RL agent that continuously optimized its performance. ([Check it out here](#))

## EXTRA-CURRICULAR ACTIVITIES

---

- Selected for **AWS Cloud Club Fellowship**, where I gained expertise in various AWS services.
- Participated in **Techtrix 2023**, developing an NGO portal in 36 hours using Java Springboot framework.
- Competed in **Hex-Himalaya 2023**, designing controlled robots for soccer matches.
- Served as a member of the college Student Council, organizing events and addressing student issues.