Aayush Adhikari

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Summary

A final-year Computer Engineering student at IOE Paschimanchal Campus with a deep investment in applying technology to solve real-world challenges, particularly in the educational sector. Skilled in various programming languages, data science tools, and passionate about machine learning and artificial intelligence.

Education

IOE Paschimanchal Campus
Apr 2021 - Apr 2025

Bachelor of Engineering - BE, Computer Engineering

- Currently pursuing final year of Computer Engineering
- Focusing on application of technology to solve real-world challenges, particularly in the educational sector

Godawari Vidya Mandir, Itahari
2018 - 2020

+2, Science

- Completed higher secondary education

Shree Bhanu Memorial English School Shaikshik Sarbajanik Guthi
2016 - 2018

Secondary Education (10th)

- Completed secondary education

Experience

Teaching Experiences
Apr 2016 - 2022

Various Institutions   *Nepal*

- Shree Bhanu Memorial English School: Taught Science for 9th and 10th grade in coaching classes
- Crimson Education Hub: Instructed a 6-month Diploma Computer Operator course for 10th-12th grade students
- Destiny Tuition Centre, Belbari: Provided tutoring in various subjects for students up to 12th grade
- Nepal Worldwide Consultancy, Belbari: Conducted tutoring sessions in multiple subjects
- Home Tuition: Offered private lessons in Science subjects up to 12th grade, Business Mathematics, and Computer Science for Management students
- Taught Mathematics (Coordinate Geometry, Trigonometry, Matrices), Biology (Human Evolution), and MAT in Bridge-course classes
- Developed tailored learning strategies to improve student performance across all subjects and grade levels

Content Writer
May 2017 - Present

Freelance

- Created diverse content for various clients and platforms
- Adapted writing style to meet specific client requirements and target audiences

Marketing Executive
Jan 2021 - Jan 2022

Mathematics Initiatives in Nepal (MIN)

- Developed and implemented marketing strategies for educational initiatives
- Collaborated with team members to promote mathematical education in Nepal

Computer Operator
Apr 2018 - Nov 2020

Crimson Education Hub

- Managed computer systems and databases for educational programs
- Provided technical support to staff and students

Skills

Programming Languages: Python, C, C++, JavaScript, HTML, MATLAB
Data Science & ML: pandas, NumPy, Matplotlib, scikit-learn, NLP
Tools & Technologies: Git, Linux, Postman API, WordPress, Adobe Illustrator
Soft Skills: Content Writing, Tutoring, Marketing, Communication
Others: Microsoft Excel, PowerPoint

Certifications

Python for Data Science, AI & Development	Coursera
Machine Learning for Everyone	DataCamp
Introduction to Machine Learning: Art of the Possible	Amazon Web Services (AWS)
Microsoft AI classroom	Microsoft
Postman API Fundamentals Student Expert	Postman
EF SET English Certificate 86/100 (C2 Proficient)	EF Standard English Test (EF SET)
Python Core	Sololearn
Python for Machine Learning	Great Learning
Data Manipulation with pandas	DataCamp
Introduction to Cybersecurity	Cisco
Fundamentals of Digital Marketing	Google Digital Garage
HTML, JavaScript, & Bootstrap - Certification Course	Udemy
Be A White Hat Hacker and Pen Tester	Eduonix Learning Solutions Pvt Ltd
Business Core (Fundamentals) in preparation for MBA entry	Udemy
Digital Nomad: How to find Freelancing Opportunities in 2021	Udemy
Python for Beginners	Sololearn
Python Data Structures	Sololearn
Python for Machine Learning	Sololearn
Advanced Excel	Elearnmarkets
Visme Presentations	Visme
Intermediate Python	Sololearn
Introduction to Python	DataCamp
Intermediate Python	DataCamp
New Features with Android App Development Webinar	LearnVern
Python Data Science Toolbox (Part 1)	DataCamp

Planning a Machine Learning Project	**Amazon Web Services (AWS)**
Joining Data with pandas	**DataCamp**
Learning Python	**LinkedIn**
Computer Operator	**Crimson Education Hub (Affiliated to CTEVT)**
Introduction to Data Visualization with Matplotlib	**DataCamp**
Step into Robotic Process Automation	**GUVI Geek Networks, IITM Research Park**
Programming Foundations with JavaScript, HTML and CSS (with Honors)	**Coursera**
Python Data Science Toolbox (Part 2)	**DataCamp**
MATLAB Onramp	**MathWorks**
C Programming	**Sololearn**
The Complete C Programming Course for Beginners	**Udemy**
Limits for AP®(Calculus AB,BC) & Data Science -with Visuals	**Coursera**
PC Maintenance 2020	**ITPro, from ACI Learning**
Master C++ Programming From Beginner To Advance - C++ Course	**Udemy**
The Complete Introduction to C++ Programming	**Udemy**
Learning Python (2020)	**LinkedIn**
Introduction to Programming with MATLAB	**Coursera**
MATLAB 2018 Essential Training	**LinkedIn**

Honors & Awards

Microsoft Learn Student Ambassador	**Microsoft Learn Student Ambassadors**

Projects

SE-Trails | *Python, Flask, JavaScript, PostgreSQL*   **2023**
- Developed a web-based platform for food enthusiasts to discover restaurants, track dining experiences, and connect socially
- Implemented features like personalized food trails, restaurant discovery, and social networking
- Integrated OpenStreetMap for advanced routing and location services

Daraz Price Tracker | *Python, Flask*   **2023**
- Built a Flask web app to track and visualize price history of products on Daraz.com
- Implemented web scraping techniques and data visualization for price trends

TClient-didactic-parakeet | *React, Node.js, Express* **2022**
- Developed a modern BitTorrent client with a dark-inspired interface
- Implemented real-time download progress, peer connection info, and advanced logging
- Created a custom BitTorrent protocol implementation

CryptArithmetic Solver | *Python, Flask* **2022**
- Built a web application to solve cryptarithmetic puzzles
- Implemented algorithms to decode alphametic equations where letters represent digits

Khata Sabaiko | *Python, Tkinter* **2022**
- Developed a user-friendly financial management application
- Implemented features for expense tracking, budgeting, and financial reporting

Quick Content Snippets | *WordPress, PHP* **2021**
- Created a WordPress plugin for managing and inserting content snippets
- Implemented a user-friendly interface for snippet creation and insertion in the post/page editor

dbSwitchPlugin | *WordPress, PHP, JavaScript* **2021**
- Developed a WordPress plugin to implement dark mode and light mode functionality
- Ensured compatibility with various WordPress themes

The-Refreshner | *HTML, CSS, JavaScript* **2021**
- Created a simple music player with a beautiful user interface and interactive controls
- Implemented audio playback functionality and responsive design

tazakhabar.me | *Web Development* **2020**
- Designed and developed a personal blog site
- Implemented content management system and responsive design

NewsScrape | *Python* **2020**
- Created a Python script to process and beautify news data from JSON files
- Implemented content extraction, special character removal, and text rephrasing for cleaner presentation