

Ajay Pokharel

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TECH STACKS

- Languages: Python (Django, Django REST Framework, NumPy, Beautiful Soup), JavaScript (React), Frontend (Bootstrap, HTML5, TypeScript), C/C++, ARM Assembly
- Tools: Git/GitHub, Postman, MySQL, Mathematica, Linux/Unix/Terminal,
- Other: Algorithms and Data Structures, Bash Scripting

EDUCATION

B.A, Computer Science and Mathematics – Wabash College, Crawfordsville, Indiana (2021 - 2024)

- G.P.A – 4.0, Dean's List
- Recipient of the Trustee International Scholarship (full-cost), awarded to only ONE student each year

SELECTED WORK EXPERIENCE

Software Engineering Intern – Insight Workshop

Feb 2021 - July 2021

- Developed and implemented restful API powering the mobile client for [Dhukka](#), using Python and Django Rest Framework
- Contributed 80% of the programming content, 90 coding problems with 5 test cases for each problem, 100+ MCQs, and performed unit-testing and documentation for company's internal project [IW Bootcamp](#)
- Contributed around 30% of code in API integration and developing frontend page for [Dhukka's](#) Admin Portal, using frontend tools such as HTML5, React with TypeScript, and Bootstrap

Software Engineering Intern – Omviser

July 2020 - Jan 2021

- Assisted senior developers with front-end codes for Omviser web suite collaborating with other units such as UI/UX
- Conducted code-reviews, proper documentation, and QA for 80% of the code written by senior developers

Project Management Intern – BloomED

April 2020 - Jun 2021

- Led a team growth from 5 to 100 in 6 months—hiring, supervising and training employees in computing environments such as MS Suite, LaTeX, Python—for the EdTech startup
- Organized and led weekly zoom-meetings with managers and stakeholders to resolve issues raised
- Increased the content production by 1000% for nationwide online distribution, collaborating with national and international educational professionals

Research Assistant Intern – Human-Computer Interaction Institute of Nepal (HCIIN)

July 2019 - Sept 2020

- Analyzed and researched analogous websites to find content inspiration for frontend pages
- Created drafts for the company website by leveraging psychological concepts in story-telling and idea-pitching
- Assisted Ph.D. candidates in designing surveys, analyzing data, and translating findings into guides, in areas of HCI and AI

NON-WORK EXPERIENCE

IBM Z Ambassador – Your Big Year and IBM

Sept 2021 - Present

- Advocating the usage of software and tech resources to increase tech awareness and coding experiences in my college

Vice President – Wabash Computer Science Club

Sept 2021 – Present

- Conducted and supervised 5+ events on campus, including a Python Workshop with ~30 participants from all-over the campus
- Developing lead at web-development for Wabash CS Club website, using frontend library such as React and Bootstrap

Contestant – International Mathematics Olympiad (IMO)

July 2017

- Led Nepal to its first-ever International Mathematics Olympiad in Rio de Janeiro, Brazil after being ranked as Top-4 from ~9,000 students in 5 national selection examinations

PASSION GITHUB PROJECTS AND CONTRIBUTION

MovieCommender – A recommender backend system to take 5 movie inputs from users and recommend films based on algorithm, using Django and Django Rest Framework, Web-scraping in Python with BeautifulSoup, and algorithmic design. See the source [on GitHub](#)

Getting Started with Python – An Open Source learning hub for beginner Python learners or people with non-cs background, specialized and structured with relevant and best lectures, notes, problem sets, and discussion opportunity (work in progress). See the source [on GitHub](#)

Computer Science Courses with Video Lectures – Contributor to the leading Open Source computer science learning hub on GitHub, used by more than 31,000 learners. See the source [on GitHub](#)

RELEVANT COURSES

- **Full Stack Development:** Insight Workshop Bootcamp
- **LinkedIn Learning:** Effective Listening, Teamwork Foundations
- **College Courses:** Introduction to Programming, ARM Assembly, Intro to Data Structures, Algorithm Design and Analysis

OTHER INTERESTS

Writing (See [on Medium](#)), Volunteering, Leadership and Collaboration, EdTech