**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, Terminal
* Other: Algorithms and Data Structures, Bash Scripting

**EDUCATION**

**B.A, Computer Science and Mathematics –** Wabash College, Crawfordsville, Indiana

* 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](https://dhukka.app/), 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](https://iwbootcamp.com/login)
* Contributed around 30% of code in API integration and developing frontend page for [Dhukka’s](https://dhukka.app/) 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](https://github.com/ajaypokharel/movie-commender)

**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](https://github.com/ajaypokharel/get-started-with-python)

**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](https://github.com/Developer-Y/cs-video-courses)

**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](https://ajaypokharel8.medium.com/)), Volunteering, Leadership and Collaboration, EdTech