

Ajay Pokharel

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EDUCATION

B.A, Computer Science and Mathematics

Wabash College, Crawfordsville, Indiana – G.P.A 4.0

SELECTED WORK EXPERIENCE

Software Engineering Intern – Insight Workshop

Feb 2021 - July 2021

- Assisted senior developers with two separate client's products on Ride-Sharing and Ed-Tech
- Engineered production-level projects, collaborating efficiently with other departments such as Android and UI/UX

Software Engineering Intern – Omviser

July 2020 - Jan 2021

- Assisted senior developers in writing front-end codes for omviser web suite collaborating with other units such as UI/UX
- Reviewed eight blogs and developed go-to-marketing strategies for product growth.

Project Management Intern – BloomED

April 2020 - Jun 2021

- Led a team growth of 100+, supervising and training employees in computing environments such as MS Suite, LaTeX, Python, and more for the EdTech startup founded by an MIT alumnus
- Increased the content production by 1000% for online distribution all over the country, collaborating with national and international educational professionals

SELECTED NON-WORK EXPERIENCE

Contestant – International Mathematics Olympiad (IMO)

July 2017

- Led Nepal to its first-ever International Mathematics Olympiad in Rio de Janeiro, Brazil after being selected from ~9,000 students from national examinations
- Administered 13 nationwide competitions and training for high school math students

IBM Z Ambassador – IBM

Sept 2021 - Present

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

PASSION GITHUB PROJECTS (<https://github.com/ajaypokharel/>)

MovieCommender

- A simple recommender system to take 5 movie inputs from any user and display a set of films based on their choices
- Utilizing knowledge of Django and Django Rest Framework, Web-scraping in Python with BeautifulSoup, React.js (frontend), Algorithm design

n-solutions-for-one-python-problem

- Utilizing problem-solving strategies in Python to show how one logical problem can be solved with several complexities

SELECTED AWARDS AND LEADERSHIP

- **Gold Medalist**, Mathematics Olympiad of Nepal; Ranked as one of the Top-6 contestants from the Nation
- **Vice President**, Wabash ACM Student Chapter; Conducted Python Bootcamp to teach Python to peers and seniors
- **Founder**, Nepalese in Physics; Administered Research training for high school students in five schools in Kathmandu

RESEARCH EXPERIENCE/PUBLICATIONS

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

July 2019 - Sept 2020

- Analyzed and researched analogous websites to find content inspiration for front end 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

RELEVANT COURSE COMPLETED

- **Quantum Mechanics**: MIT OCW
- **Full Stack Development**: Insight Workshop Bootcamp
- **College Courses**: Intro to Programming, ARM Assembly, Calc-II, Intro to Data Structures, Algorithm Design and Analysis

Relevant Skills

Languages: Nepali (native), English (Expert), Hindi (Expert)

Additional Skills: Version Control (Git, Github), Linux and Bash Scripting, Postman, MySQL (beginner), Data Structures and Algorithm, C and Tutoring, Terminal, Mathematica