**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 Presiden**t, 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