

PRATIK KARKI | Résumé

📍 1115 8th Avenue # 3716, Grinnell, IA 50112, U.S.A.

»»» Education

Exp. 2020 **B.A. in Computer Science** [Grinnell College, Grinnell, IA](#)

- » Major GPA 3.62: Dean's List
- » Fall Semester 2018: Aquincum Institute of Technology (AIT) at Budapest, Hungary
- » Coursework: Theory of Computing, Design Workshop, Mobile Software Development, User Interface Design

»»» Experience

2018/05-07 **Local Sightings Intern** [Northwest Film Forum, Seattle, WA](#)

- » Redeveloped the organizational website with an improved user interface using *HTML/CSS/Javascript*
- » Systematized a database system using *Tableau* to assess the demographics of the 5,000+ yearly customers

2017-Present **Android Developer and UX Design Trainee** [Grinnell AppDev, Grinnell, IA](#)

- » Designed, developed, and maintained 5 Android applications using *Java and Kotlin* with over 1,000 daily users
- » Enhanced user satisfaction and loyalty by improving the user interface for the apps created

2017/06-08 **Front End Developer** [Creasion Nepal, Kathmandu, Nepal](#)

- » Supervised a team of 4 students that initiated work on an *Android Application* with news and blog sections
- » Retooled the website interface to with an admin login page using *Javascript*
- » Implemented blog and video options on the website and ensured a user base of over 100 daily users

2015-2016 **Service Learning Intern** [Rato Bangala Foundation, Lalitpur, Nepal](#)

- » Facilitated *Educational Workshops* in 35 rural schools in 14 earthquake affected districts of Nepal
- » Conducted surveys using *SPSS* on 2000+ students and teachers and presented data to acquire relief funding
- » Spearheaded initiative to develop a website and establish a social media presence

»»» Projects (Available on Github)

2018/01-05 **Local Foods Connection** [Team Software Dev., Grinnell, IA](#)

- » Collaborated with a team to construct a farm search function and admin login using *Ruby on Rails*
- » Assigned *Lead UI/UX Design* and improved the overall *Javascript* design along with refactoring legacy code
- » Aided in managing a proper *SQL Database* for user profiles and added supplementary search options
- » Systematically documented the codebase and successfully deployed the website on *Heroku*

2017/08-12 **Java Programs** [O.O. Design/Algorithms, Grinnell, IA](#)

- » Grin-compression: File compression using *Huffman trees* for a lossless compression algorithm
- » Sounds of Sorting: A sorting program which visualizes six sorting algorithms with piano notes as indicators
- » Learning-genie: A guessing game program that iteratively builds a database and guesses the correct answer
- » Alife Simulation: Visualizes the cooperation between bacteria by emulating real-life preconditions

»»» Computing Skills

- » Proficient: Java · C · \LaTeX · Scheme · Ruby on Rails · HTML · Android Studio & NDK · Kotlin · Tableau
- » Intermediate: Git · Unix/Linux · Javascript · C++ · Adobe Creative Suite · CSS · Final Cut Pro
- » Novice: SQL · C# · Python · Gallina · PHP · Swift

»»» Miscellaneous

- » Languages: Nepali (Native) · English (Fluent) · Hindi (Fluent) · Spanish (Basic)
- » Hobbies: Hiking · Wilderness · Filmmaking · Volunteering · Sketching · Guitar · College Football