

Nikunj Agrawal

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Education and Honors

Grinnell College

Grinnell, IA

B.A. IN MATHEMATICS AND B.A. IN COMPUTER SCIENCE

Expected May 2020

- Cumulative GPA: 3.85
- Math GPA: 4.00, Computer Science GPA: 4.00
- Honors: Dean's List (all completed semesters), Noyce/Intel grant recipient, Wilson Center grant recipient

Relevant Coursework and Technical Skills

Technologies Java, Typescript, Angular, Node.js, Go, C, HTML5, MySQL, Ruby on Rails, Android Studio, Git, LaTeX

Courses Data Structures, Algorithms, Graph Theory, Abstract Algebra, Neural Networks, Data Mining, Deep Learning

Work Experience

Google

Kirkland, WA

SOFTWARE ENGINEERING INTERN

May 2018 - Aug. 2018

- Iteratively developed a multi-cloud CRM in native Angular and Go, allowing users to easily trade cloud services
- Wrote unit and integration tests with Jasmine and followed Google's readability standards to ensure high project quality
- Authored a low-level software design document to report and resolve ambiguities in product design
- Mentored 35+ high school seniors in HTML/CSS course in Computer Science Summer Institute program

KDIC Radio Station

Grinnell College

ANDROID DEVELOPER

Aug. 2016 - May 2018

- Developed a radio streaming application using Android Studio in collaboration with the Grinnell AppDev club
- Implemented APIs for synchronous and asynchronous data retrieval to build the 'Schedules' tab using OkHttp client
- Refactored legacy codebase using Object-Oriented Programming principles and coding best practices
- Enhanced the UX and improved performance by redesigning Android UI controls of the application

Intex Technologies

New Delhi, India

SOFTWARE ENGINEERING INTERN

Jun. 2017 - Aug. 2017

- Researched the best UX by analyzing data with generated usage metrics to prepare an effective marketing strategy
- Conducted performance tracking and success metrics via unit testing on 360OS, KaiOS, AirOS, FuelOS for android
- Performed quality assurance tests using ADB drivers to debug applications and proposed improvements
- Improved accessibility of features of the phones by adding support for multiple regional languages

Projects

Heartland Global Health Consortium

Jan. 2018 - May 2018

- Engineered a web application to help connect 12+ Iowa colleges to increase awareness about global public health
- Created a forum to share consortium events using MVC Architecture in Rails framework
- Acted as a liaison between project team and client to translate client needs into achievable goals

Foodshare

Apr. 2018 - May 2018

- Built a web application to connect students at Grinnell College to alleviate the problem of food insecurity
- Implemented Bipartite Matching Algorithm to connect students with extra meals with those who seek meals
- Won second prize at a hackathon organized by Grinnell College

DxT, The Impact Fellowship

Dec. 2017 - Jan. 2018

- Designed a platform for developers to find pen-testers using a double-blind matching algorithm using React and Express
- Exhibited the software to NGOs, social startups, and philanthropic organizations working to solve social issues
- One of the 35 chosen fellows from 500+ applicants for the Impact Fellowship program in New York

Funds Transfer Program

May 2017 - Jun. 2017

- Developed a banking application prototype using Java to allow users to manage their funds in multiple banks
- Enhanced the usability of the application by connecting to a MySQL database using Java Database Connectivity
- Presented the software in front of 100+ students for Advanced Java course taught by CETPA Infotech in India