Govind Brahmanyapura

brahmany@grinnell.edu
Mobile : +1-779-242-8392
GitHub: govindsartaj
www.govindsb.me

EDUCATION

Grinnell College — Grinnell, Iowa

B.A. in Computer Science — GPA: 3.66/ 4.00 *Expected: May 2021*
Dean's List: Fall 2017, Spring 2018

SELECTED COURSEWORK

Artificial Intelligence, OOP and Data Structures (Java), Analysis of Algorithms, Software Development (Ruby on Rails), OS and Parallel Algorithms, Functional Programming (Scheme), Discrete Structures

SKILLS

Programming: Python, Java, JavaScript, Scheme, C, HTML5, CSS, LaTeX
Technologies: Android, React, Bootstrap, Git, GitHub, DrRacket

EXPERIENCE

Software Engineer Intern — Fremont, California
Mistral Solutions, Inc. *May 2019 - Aug 2019*
- Developed custom Android (Java) image viewer software for Golden-i Infinity AR headset
- Implemented custom UI, zoom functionality and smooth post-zoom panning
- Improved RecyclerView image load times by identifying and fixing design bug in thumbnail view

Software Developer — Grinnell, Iowa
Data Analysis and Social Inquiry Lab, Grinnell College *Aug 2019 - Present*
- Built custom D3.js visualizations and enhanced UI & readability of existing data visualization *project*
- Removed data label redundancies and redesigned visualization layout
- Identified potential design and content improvements for the official *DASIL blog*

Teaching Assistant — Grinnell, Iowa
Grinnell College Mathematics Department | Calculus I *May 2018 - Dec 2018*
- Graded homework assignments for a 40-student class in coordination with professor
- Provided constructive feedback to students on math problem-solving techniques

PROJECTS

Assistive Database — National Alliance on Mental Illness — Grinnell, Iowa
Ruby | Rails | JavaScript | AWS C9 | PostgreSQL | HTML | CSS | Bootstrap *Jan 2019 - May 2019*
- Developed web app for *NAMI Johnson County* to connect parents to child mental health resources in Iowa
- Designed database structure in PostgreSQL, implemented search function using pg_search, and built responsive UI
- Worked in an Agile environment and coordinated weekly meetings with client

Grinnell Printers — Grinnell, Iowa
JavaScript | Google Maps API | DigitalOcean | HTML | CSS | Bootstrap *December 2018*
- Built a web app to find nearest Grinnell College printer to a user's location
- Developed efficient algorithm that gets user location, computes distances to all printers, and returns closest printer
- 300+ weekly users in first month post-deployment; 50+ regular weekly users (December 2019)

Ride Board-t — Grinnell, Iowa
Ruby | Rails | HTML | CSS | AWS C9 | Mailgun API | REST | JSON | Bootstrap *February 2019*
- Developed web app that matches ride-requests to ride-offers for greater and greener carpool connectivity
- Designed ride-matching algorithm and implemented email notifications for to inform ride requesters of ride offers
- Won "Most Practical Idea" and 2nd place at HackGC 2019—the Grinnell College Hackathon

LEADERSHIP

Residence Community Advisor — Grinnell, Iowa
Grinnell College | Residence Life *May 2019 - Present*
- Facilitated the holistic development of over 40 residents through programming
- Supported residents as they dealt with academic and personal issues

MISC.

Other Projects: GrinnellMovies API—scrapes movie timings of the college theatre (Python, AWS Lambda, JSON)
The Clapper—a switch triggered by a double-clap designed to be integrated with Google Home (Python, PyAudio)

Languages: English (Bilingual Proficiency), Hindi (Bilingual Proficiency), French (limited), Russian (elementary)

Interests: Artificial intelligence, home automation, acapella, photography, soccer, cultural anthropology