

# Ankur Saikia

Updated August 31<sup>st</sup>, 2020

(312) 826-2968

[ankur19.github.io/profile](https://ankur19.github.io/profile)

[asaikia@hawk.iit.edu](mailto:asaikia@hawk.iit.edu)

## EDUCATION

Illinois Institute of Technology Chicago, IL

August 2019 – May 2021

- Master of Science in Computer Science, 3.75 GPA
- Operating Systems, Algorithms, Advanced Database Organization, Software Management, Science of Programming

## EXPERIENCE

Advicent – Software Engineer Intern (Angular.js, ASP.NET Core, Azure) Milwaukee, WI

June 2020 – Present

- Introduced a 3<sup>rd</sup> party widget to Naviplan client portal with 10000+ daily visits by financial advisors & clients(Angular.js)
- Streamlined Naviplan's account aggregation framework & refined a ASP.NET Core microservice supporting 10+ APIs
- Pioneered a modular, logging & error handling middleware system installed to 30% of interfacing applications
- Collaborated with team in tech design sessions, estimations, code reviews, & deployment of Naviplan Premium v20.3

IBM – Software Developer – Microservices (Java, Spring MVC, JSP) Bangalore, India

March 2016 – June 2019

- Performed full stack functions, transformed a legacy webapp to microservices & improved page load/reload time by 20%
- Spearheaded a team of 4 to create a Selenium based test framework, & eliminated 70% dependence on paid software
- Designed & developed a logging tool using Python & boosted defect triage by 2 to 3 additional defects per tester

Udacity – Classroom Mentor – Freelance Bangalore, India

February 2017 – June 2019

- Resolved technical queries & mentored a cohort of 60+ students, maintaining a 4.5+ star rating
- Doubled student engagement through well textured course materials & live sessions for Cloud Dev Nanodegree cohorts

## PROJECTS

### Chords Maker

Desktop app built in Electron for guitarists to discover new chord positions (Electron.js, React.js, Node.js, C++, JavaScript)

- Engineered a native C++ Node module with JavaScript & NPM & sped up calculations by 2-3%
- Incorporated visualizations, & a user-friendly settings panel

### A Trip A Day

<https://atrip.tech>

Outing planner providing data (distance, rating, time to travel etc.) about popular tourist spots nearby (React, Maps API, Heroku)

- Leveraged Google Maps API to populate & organize nearby places
- Minimized time to market using Heroku CI/CD pipeline & Git

### Path Finder

[https://ankur19.github.io/path\\_finder](https://ankur19.github.io/path_finder)

An algorithm visualizer to visualize how common path finding algorithms calculate shortest path from source to destination (JavaScript, jQuery, async)

- Engineered 90% of algorithms (path finding, maze, tree traversal, wall etc.) & animations utilizing vanilla JavaScript with jQuery & Bootstrap

### Electronic Vendor Website

A demo vendor website to buy/sell electronics with subcategory wise filtering & search (PHP, HTML/CSS, Bootstrap, Oracle SQL)

- Conceived a complete & functional database in Oracle SQL, deployed it to on-premises college server, & pitched it to professors
- Expanded base functionality to allow automated restock & reordering

More Project Info@ <https://ankur19.github.io/profile>

## SKILLS

### Languages

C++, JavaScript, Java, Python, SQL, HTML/CSS

### Technologies

React.js, Node.js, MERN stack, Electron.js, Redux, ASP.NET Core, MVC, Material UI, AWS

## INVOLVEMENT & RECOGNITION

### Uncommon Hacks – 2020

- Best use of MongoDB Atlas category winner for a student productivity app – sTutor

### Founded [www.gyanarjon.tech](https://www.gyanarjon.tech)

- Delivered educational video courses to students in Assamese language through YouTube integration

### IBM Eminence & Excellence

- Won award in 2018 for contributions to creation of an open source test framework leveraged across teams