Ankur Saikia

ankur19.github.io/profile

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Education

Illinois Institute of Technology *Chicago, IL*   August 2019 – May 2021

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

Experience

Advicent – Software Engineer Intern   *Milwaukee, WI*   Summer 2020 – Present

- Integrated a 3rd party widget to Naviplan client portal, used by thousands of advisors & clients. (Angular.js)
- Enhanced Naviplan's customer account aggregation infrastructure, through a new ASP.NET Core microservice.
- Participated in team's tech design sessions, estimation, code reviews and deployment of Naviplan Premium v20.3.

IBM – Software Developer – Microservices   *Bangalore, India*   March 2016 – June 2019

- Worked full-stack on transforming a monolithic app to microservices architecture using Spring MVC & JSP.
- Led a team of 4 and developed a testing framework based on Selenium object model using Java & TestNG.
- Designed and implemented a logging tool that improved defect triage by 2-3 additional defects per tester.

Udacity – Classroom Mentor – Freelance   *Bangalore, India*   February 2018 – June 2019

- Resolved technical queries, reviewed code, and mentored a cohort of 60+ students.
- Designed supporting course materials and improved student engagement by 10% for a Cloud Dev cohort.

Projects

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

- Integrated a native C++ Node module with JavaScript and NPM which resulted in 2-3% more responsive calculations.
- Designed visualizations and a user-friendly settings panel.

A Trip A Day   https://atrip.tech
Outing planner web-app that provides data about popular places nearby, their distance, rating, and time to travel.

- Leveraged Google Maps API to populate and organize nearby places of interest for free.
- Minimized time to market using Heroku CI/CD pipeline and git.

Path Finder   https://ankur19.github.io/path_finder
An algorithm visualizer to visualize how common path finding algorithms calculate the shortest path from source to destination.

- Developed 90% of the algorithms (path finding, maze, tree traversal, wall) and animations using vanilla JavaScript with Bootstrap.

Electronic Vendor Website
A demo vendor website to buy/sell electronics with PHP backend

- Conceived a fully functional database in Oracle SQL to track sales, products, inventory, and reorders.
- Expanded base functionality to allow automated 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 category winner for sTutor
- **Founded www.gyanarjon.tech**
  App to deliver courses in Assamese language. Currently has 3 students in one in-progress course.
- **IBM Eminence & Excellence Award**
  Won the award in 2018 for contributions to a testing framework that removed dependence on paid software by 70%.