Anirudh Iyer

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EDUCATION

University of Pittsburgh   Pittsburgh, PA
Bachelor of Science in Computer Science, Minor in Economics   *May 2024*
- Relevant Coursework: Intermediate Programming (Object-Oriented Programming), Programming Languages for Web Applications, Data Structures & Algorithms, Computer Organization and Assembly Language, Discrete Math
- Student Organizations: Steel City Sapna (Business Manager), Taaza (Hospitality Chair), Pitt Computer Science Club, TEDxPitt

EXPERIENCE

Software Engineering Intern   May 2022 - Present
Clinical and Translational Science Institute (CTSI)   *Pittsburgh, PA*
- Engineered full-stack web-based clinical trial recruitment framework in Agile development environment for over **300,000+** patients, using **C#**, **ASP.NET MVC** and **SQL Server**
- Implement features and **REST API** endpoints for admin and user portals in a micro-service based architecture
- Streamlined Test-Driven-Development using **Selenium**, **Cucumber Reports** and **MSTest** unit testing framework

Software Engineer   April 2022 - Present
Desi Dance Network   *Remote*
- Serve as Lead Software Engineer to build intuitive full-stack application portal used by over **3000+** users with **Node.js** and **Express** on the backend, with **React** on the front end
- Architect and redesign new file system and user portal features through **AWS S3**, **Heroku** and **MongoDB**, leading to a **1300%** increase in users
- Employ **TypeScript** across the stack in cross-functional team of product managers, engineers and designers to communicate with stakeholders and conduct **user acceptance testing**

Web Developer Intern   September 2021 - January 2022
University of Pittsburgh School of Engineering   *Pittsburgh, PA*
- Delivered and deployed interactive holiday card sent out to **1000+** faculty, students, and alumni utilizing **Javascript, HTML5** and **CSS3**
- Managed department-wide migration from **Ektron Content Management System** to **Episerver Content Management System** using **Asana**

PROJECTS

Curdle - Word Game | *JavaScript, Node.js, MongoDB, Google Cloud Platform, Firebase*   curdlegame.com
- Created web game based on the viral game Wordle and amassed **15,000+** users
- Implemented Search Engine Optimization (SEO) strategies to receive first place ranking on **Google Search Console**
- Utilized **Google Cloud Platform (GCP)** and **Firebase** to deploy, alongside cloud-hosted **MongoDB** backend database to securely query data
- Created responsive desktop and mobile front-end using **JavaScript, HTML/CSS** and **Bootstrap 5**, achieving **99/100** performance rating per **Google Lighthouse**

Quicksend | *Javascript, Express.js, Node.js, Socket.io, Heroku*   qu1cksend.herokuapp.com
- Developed responsive file-sharing interface for mobile and desktop, enabling an 'AirDrop for All' paradigm
- Implemented a full-stack web application using **Node.js** and **Express** as the backend, and used **Socket.io** WebSocket Communication Protocol, deployed using **Heroku** and **Git**
- Collaborated with users such as students and faculty to receive feedback about the application

TECHNICAL SKILLS

Languages: Java, JavaScript/TypeScript, Python, HTML, CSS, C#, LaTeX, C++ (Arduino API)
Frameworks: Nodejs, Express, Bootstrap, .NET Core, Entity Framework Core, jQuery, React
Developer Tools: MongoDB, Git, Google Cloud Platform (GCP), Firebase, Heroku, Amazon Web Services (AWS)