

# 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: Web Development (Python, Flask, Google Cloud), Database Management Systems (PostgreSQL, Oracle PL/SQL), Software Engineering, Data Structures & Algorithms (Java), Systems Software (C)

## EXPERIENCE

### Software Engineer

April 2022 - Present

*Desi Dance Network*

*Remote*

- Serve as lead software engineer in cross-functional team to build an intuitive full-stack application portal used by over **3000+** users with **TypeScript** across the stack, **Node.js** and **Express** on the backend, and **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
- Create **REST API** endpoints for data analysis to generate interactive graphs and diagrams, powered by **Python**, **Pandas**, **Google AppScript**, and **Plotly**

### Software Engineering Intern

May 2022 - September 2022

*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**
- Implemented features and **REST API** endpoints for admin and user portals in a microservice based architecture
- Streamlined Test-Driven-Development using **Selenium**, **Cucumber Reports**, and **MSTest**, resulting in faster stage-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](https://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*

[quicksend.herokuapp.com](https://quicksend.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#, C++

**Frameworks:** Node.js, Express, Mongoose, Flask, Spring Boot, .NET Core, Entity Framework, jQuery, React

**Developer Tools:** GitHub, Git, GCP, Firebase, Heroku, Postman, AWS, Jira, Jenkins CI/CD, Raspberry Pi, Arduino

**Databases:** MongoDB, SQL Server, Google Cloud Datastore, Firestore, AWS S3, PostgreSQL

**Other:** Self-paced coursework in Cloud Computing, Distributed Systems