

# Anikesh Bhuvaneshwaram

## Software Engineer

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🌐 [Personal Website](#)

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### Education

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#### Bachelor of Computing in Computer Science, National University of Singapore

Aug 2019 – Jun 2023

CAP: 4.22/5

Relevant Modules: Software Engineering, Data Structures, Artificial Intelligence

CCAs: Rotaract Club, Indian Cultural Society Executive Committee

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### Skills

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#### Languages

Java • Python • C++ • JavaScript • HTML • Markdown • SQL

#### Libraries, Frameworks, and Tools

React.JS • Node.JS • Git • GitHub • Docker • Microsoft PowerBi • AWS • Flask • PyTorch • Scikit-Learn • Pandas

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### Professional Experience

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#### Software Engineer Intern, VISA

- Used MVC architecture to implement the frontend and backend for a file migration feature on an internal VISA website.
- Implemented an orchestration flow on Ansible to implement file migration on multiple servers.
- Collaborated with multiple teams and undertook rigorous testing to ensure that the feature was up to the standards of VISA.

May 2022 – Aug 2022  
Singapore

#### Software Engineer Intern, Factorem

- Conducted extensive research into the design of CAD files to automate the capture of defects such as internal sharp edges and boundary holes using linear algebra and graphics concepts.
- Implemented a feature detection API based on the research which uses various python libraries like Flask and FreeCAD to return the captured defects in user provided CAD files.
- Created a 3D viewer to visualize the defects in CAD files captured by the API using React and the three.js library for the company website.

May 2021 – Aug 2021  
Singapore

#### Data Science Intern, Southern Ridges Capital

- Created a database in SQL to store the relevant data and analyzed the data pulled from the database using python libraries like Pandas.
- Set up a web server in python using Flask for analyzing portfolio manager performance pulled from the SQL database and presented this data using Microsoft PowerBi.
- Used regression models on scikit-learn to predict future manager performance based on current performance and personality traits.

Jun 2020 - Aug 2020  
Singapore

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### Projects

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#### Bridge the Gap

Created an online multiplayer website for people to play Bridge.

- Used the React.JS framework alongside CSS for the website front-end and sockets for multiplayer functionality.
- Set up the website backend using Node.JS and utilized MongoDB as the database to handle user login as well as coordinate the user interactions.

May 2020 – Aug 2020

#### Quotify

Deployed an online quote generator to complete user-inputted quotes.

- Trained a GPT2 model on a dataset of quotes and hosted the Docker container of the model on Google Cloud.
- Set up a REST API using FastAPI and a frontend using React, CSS and Unsplash API

Aug 2021