

# Anurag Chitnis

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## EDUCATION

### University of North Carolina, Charlotte

Graduation August 2022

Master of Science in Computer Science

**Relevant Courses:** Algorithms & Data Structures, Mobile Application Development, Knowledge Discovery in Database, Intelligent Systems, Software system design & implementation, Database systems

### Savitribai Phule Pune University

July 2017 - May 2021

Bachelor of Engineering in Computer Science, 7.78 /10

Pune, India

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## EXPERIENCE

### KET Infotech Pvt. LTD

Sept 2019 – Feb 2020

Application Developer

Pune, India

- For constructing reusable components leveraging the higher order component pattern, I chose React and Angular as frontend frameworks, including the CSS Bulma framework using SCSS as a preprocessor.
  - Also utilized memoization for speed optimization with react SWR and redux for state management, resulting in a 96% website performance and a 0.5 second load time.
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## PROJECTS

### [E-Commerce Website](#)

- For the front-end actualized React, Redux, Redux Thunk, and other tools, while for the backend adopted MongoDB and Nodejs, which could easily expand to 1000s of users.
- Includes shopping cart, order reviews and delivery status, admin panel, top products carousel etc.
- PayPal developers API is used to integrate a payment system that takes debit and credit cards.
- Designed a database by integrating various schemas to allow the admin panel to dynamically add goods.

### [Virtual Stock Management](#)

- Collaborated with a team of 4 to administer a simulated environment where users can buy or sell stocks/crypto with virtual \$1000, which enables users to analyse previous stock/crypto data and track purchased shares using IEX cloud API.
- Implemented machine learning algorithm for price prediction using react js library with accuracy of 74%.

### [Fullstack Notes App](#)

- Created using EJS as templating engine with Nodejs as backend and express js for routing.
- Comprises an admin panel with provision to view, delete, add users and its related notes. Erased notes could be recovered if they are retrieved within 24hr of the time stamp expiring, else will be permanently deleted.
- By default user has access to 1 theme but, based on the frequency of app usage can access multiple themes
- Performed aggregation pipeline to fetch count & favorite notes from 4 schemas for each user.

### [Backend Clone of Stackoverflow](#)

- PassportJS local strategy combined with JWT for web authentication and bcryptJs for password encryption.
- Users have the ability to ask questions, upvote questions and answers, and comment on them.

### [Aerial Object Detection](#)

- Trained a YOLO v3 model for detecting objects on aerial imagery from 100 categories with 100 images of each category which resulted in an accuracy of 83.4%.
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## TECHNICAL SKILLS

**Languages:** HTML, CSS, Python, JavaScript, Nodejs, C, C++, Java, SQL.

**Technologies/Tools:** Git, GraphQL, Redux, Redux Thunk, MySQL, MongoDB.

**Frameworks:** ReactJs, React-Native, GatsbyJs, Apollo, Express

## ACHIEVEMENTS

Completed ML/AI bootcamp of 45 days with 91.5% under Tedx speaker Hitesh Choudhary.