VARUN NARAHARISETTI

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Education:
Northern Illinois University   **December 2022**
Master of science in computer science – **3.56 CGPA**
GITAM University   **April 2018**
Bachelor of Technology in Computer Science

Certifications:
- **Front End Development Libraries** certification from freeCodeCamp. Worked on **Bootstrap**, **SASS**, **ReactJS**   **May 2023**
- **Responsive Web Design** certification from freeCodeCamp. Worked on **HTML** and **CSS**.   **May 2023**
- **JavaScript Algorithms and Data Structures** certification from freeCodeCamp.   **March 2023**
- **Backend Development and APIs** certification from freeCodeCamp Worked on **NodeJS, ExpressJS, JSON**
                                       MongoDB and Mongoose and **Managing packages with NPM**   **July 2023**

Skill Set:
- Programming in **JAVA**, **Python**, **Android JAVA**, **JavaScript**.
- Android Application Development in **Java**, **Android Studio tool**.
- Machine Learning in **Python** (libraries: **Pandas**, **NumPy**)
- Web Development Front End: **HTML**, **CSS**, **React JS, Bootstrap, SASS-("Syntactically Awesome Stylesheet")**.
- Web Development Back End: **JSON, NodeJS, ExpressJS, Managing packages with NPM.**
- Experience with Data Base concepts **SQL**, **Data mining**, **Oracle Data base**, **MongoDB and Mongoose.**
- Good command of Algorithmic problem solving and Strong written, communication and presentation skills.
- Desktop Applications: Microsoft Office (Word, Power Point, Excel)
- Self-motivated, sincere, ability to lead and work independently in a team.

Work Experience
Northern Illinois University
Worked as Graduate Teaching Assistant   **January 2022 - December 2022**
- Worked as a Teaching assistant for subjects related to Artificial Intelligence in Digital Marketing and Principle related to digital marketing under Professor Andy Jeon.
- Also helped with professor's Research work, using the public data in marketing field where using devices for giving out the suggestions for the people as per their interests.
- Used Python programming language and extracted the data from web pages as required for research.
- Tutored for Undergrad students in mathematics and computer science related subjects.
- Tutored for python programming, Data base management systems(SQL), Android Java and Data Structures and Algorithms.

Process Associate – Genpact, Hyderabad, IN   **June 2018- December 2020**
- Involved in building backend for dashboard of image classification tool to identify potentially violating media using JAVA, spring boot, Tomcat.
- Integrated the dashboard with Apache Cassandra(NoSQL) which was used for data storage.
- This tool was used internally to help classify less confident predictions from the image classification algorithm manually and also provided metrics to analyze social sentiment.
- Involved in building and maintaining CI/CD pipeline using Jenkins.

Personal Projects:

File Metadata Microservice: **repo | July 2023**
- Created an API when the user uploads a file it returns the metadata information like name of the file, type of the file and its size in bytes. The resulting output is generated in JSON Format.
Technologies used **HTML, CSS, JavaScript, NodeJS, ExpressJS, MongoDB and Mongoose.**

URL Shortener Microservice: **repo | July 2023**
- Created an API when the user inputs a link and clicks on the POST URL button it will be saved in the database with original URL and short URL and also it will be shown to user in JSON format so the user can access it. Technologies used are **HTML, CSS, JavaScript, NodeJS, ExpressJS, MongoDB and Mongoose.**

Request Header Parser Microservice: **[repo](#)** | **July 2023**

- Created an **API** when the API is called it returns the Ip address, preferred language and Software browser we are using in a JSON format. Technologies used are **HTML, CSS, JavaScript, NodeJS, ExpressJS.**

Build a Random Quote Machine: **[repo](#)** | **May 2023**

- Made a Random Quotation generator website using technologies and framework like **HTML, CSS, Bootstrap, JavaScript, ReactJS .** By clicking on the button "New Quote" on the website, it will randomly generate a new quotation and its author from the list and also changes the background color of the web page.

Build a Markdown Previewer: **[repo](#)** | **May 2023**

- Build a webpage which has an Editor and a Preview screen, when a user enters any information in the editor it will render as a HTML mode in the preview Screen. To perform this operation used a library called marked. Technologies and framework used for this project are **HTML, CSS, Bootstrap, JavaScript and ReactJS.**

Drum Machine: **[repo](#)** | **May 2023**

- Designed a webpage where we can play certain tunes with the click of a keypad button, added features like volume controller and also a small display to know of what tune is played. Also, we can switch the playlist, to play different sounds. Technologies and frameworks used are **HTML, CSS, Bootstrap, JavaScript and ReactJS.**

Build a Survey Form: **[repo](#)** | **May 2023**

- Made a basic responsive web design which will allow users to input the data as per the requirement, so users can take small, short surveys and send review about their experience. Technologies used **HTML and CSS** to develop the webpage.

Build a Personal Portfolio Webpage: **[repo](#)** | **May 2023**

- Designed a personal portfolio about myself, provided links to the projects I have worked on so far and also provided a link to the code pen profile so others can view my portfolios. Technologies used **HTML and CSS** to develop the webpage.

Academic Projects:

Predicting companies that submitted for a patent:

- Performed analysis on a Patent Dataset using **Python programming** and trained the model to predict which organizations will apply for patents. Used various classifiers and compared all of the classifiers to find out which classifier provides the best result.

Math Tutoring application for Kids:

- Created an android app for kids to practice basic mathematics operations. Used **Java, Android Java, Android Studio tool** is used to develop the application. Also used **SQLite database** methods to show the result to the users.

Electoral Voting:

- Developed a website using HTML, JavaScript, CSS to aid in electoral voting system. Created a website for login for users. Used **Oracle database** to store the users data and keeps the records of all the user logins and users voters status.