

Govind Rahul Mathamsetti

Portfolio: Rahul Mathamsetti

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EDUCATION

- University of North Carolina at Charlotte** Charlotte, NC
 - Masters of Science in Computer Science; GPA: 4/4* Aug 2022 -
 - Courses: Algorithms and Data Structures, Intelligent Systems, System Design and Implementation, Database Systems, Computer Communication Networks*
- Institute of Aeronautical Engineering** Hyderabad, India
 - Bachelor of Technology in Computer Science and Engineering; GPA: 3.4/4* July 2018 – June 2022
 - Courses: Data Structures, Operating Systems, Design and Analysis of Algorithms, Artificial Intelligence, Data Mining*

SKILLS SUMMARY

- **Programming Languages:** Python, Java, C, C++, JavaScript
- **Full Stack Technologies:** HTML5, CSS3, Bootstrap, Flask, Django, Node.js, React
- **Databases:** MySQL, MongoDB

EXPERIENCE

- Software Developer Intern** Intern
 - ProDevBase Technologies, Hyderabad, India* Feb 2022 - July 2022
 - Technologies:** Python, Django, Flask, JavaScript, MySQL, MongoDB
 - Developed a Python-based MVC web application for EventConnect using Django, Flask, HTML, CSS, and JavaScript, focusing on comprehensive event management features such as ticketing and real-time chat.
 - Collaborated with UI/UX designers adhering to SOLID principles, creating visually appealing, responsive web designs using Bootstrap and Materialize CSS frameworks.
 - Optimized application performance by employing database scaling methods with MongoDB and MySQL databases.
 - Upheld code quality and maintainability through unit testing with pytest and unittest frameworks while participating in agile development.
- Software Engineering Intern** Intern
 - Pragadas Technologies, Hyderabad, India* Jan 2021 - March 2021
 - Technologies:** Python, Machine Learning, Django, React, Node.js
 - Developed an innovative Text Analytics ML Portal, leveraging Python, Django, React, and Node.js for a high-performance user experience.
 - Transformed text analysis with machine learning algorithms such as XGBoost, SVM, and LightGBM to solve complex problems.
 - Delivered a user-centric platform, offering tailored clustering and classification options, with an interactive and responsive UI.
 - Streamlined processes by automating ML models based on user inputs, significantly enhancing efficiency and minimizing manual effort.

ACADEMIC PROJECTS

- **Hestimate:** Devised an innovative, user-centric web application enabling seamless house search based on location, harnessing the power of geocoding API and Zillow API to retrieve vital data on estimated property values. Skillfully implemented JavaScript and Ajax to create a fluid and uninterrupted user experience, setting a new standard for convenience and efficiency in the real estate sector.
- **CookBook:** Crafted an exceptional web application that reimagines the traditional recipe book experience, empowering users to seamlessly view, rate, review, and discover culinary masterpieces. Skillfully developed using Python, Flask, and MongoDB, and hosted on the robust Microsoft Azure platform. This innovative solution provides users with the ability to search for recipes based on diverse criteria, and actively engage by rating and reviewing recipes, elevating user interaction and satisfaction.
- **Restaurant Website Server:** Designed a versatile web application to transform restaurant interactions, facilitating smooth food ordering, feedback submission, and table reservations. Leveraged Mongoose ORM alongside MongoDB for efficient data storage, while skillfully utilizing Node.js and Bootstrap to create an accessible, user-friendly backend and frontend experience, setting a new benchmark in the industry.

CERTIFICATIONS

- Server-side Development with NodeJS, Express, and MongoDB - Coursera
- Front-End Web Development with React - Coursera
- Front-End UI Frameworks and Tools: Bootstrap4 - Coursera