

## GAYATRI CHAKILAM

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### EDUCATION:

#### Master's in Computer Science (GPA: 3.74)

Expected Jun 2024

Wright State University, Dayton, OH

**Coursework:** Advanced Web technologies, Functional Programming Languages, Multi-model Data Analysis.

#### Bachelor of Technology, Computer Science and Engineering

July 2022

CMR Institute of Technology, Hyderabad, India

**Coursework:** Computer Programming, Machine Learning and Data Sciences, Design and Analysis of Algorithms.

### TECHNICAL SKILLS:

**Languages:** Java, JavaScript, Python, C#

**Frameworks:** .NET, Spring Boot

**Machine Learning Packages:** Pandas, NumPy, Seaborn, SciKit-Learn, Matplotlib, Plotly, Keras, Nltk, Tensorflow, PyTorch

**Web Development:** HTML5, CSS, ReactJS, NodeJS, Django, REST API, GraphQL

**Databases:** MySQL, MongoDB, SQLite

**Tools:** Jira, Salesforce

**Version Control:** Git, GitHub

### PROFESSIONAL EXPERIENCE:

#### Web Developer Intern, Synergina

Aug 2022 - Nov 2021

- Enhanced user experience by 25% through the implementation of responsive design, improving readability and accessibility.
- Achieved a 30% reduction in page load times by developing and integrating efficient back-end server functionalities.
- Optimized data retrieval and storage processes, resulting in a 20% improvement in database performance.
- Contributed to a 15% overall improvement in website performance by implementing security measures and optimizing resource loading strategies.
- Implemented automated testing procedures, resulting in a 25% acceleration of the testing phase and a more robust release cycle.

### RELEVANT PROJECTS :

#### VoiceNotes

Dec - 2023

- Developed an intuitive audio journaling app using React for the front-end.
- Implemented secure user authentication with Auth0 for data protection.
- Utilized Express for efficient back-end processing, ensuring seamless functionality.
- Integrated MongoDB Atlas for reliable and scalable cloud storage.
- Enabled effortless voice note recording, enhanced by OpenAI's Whisper model for accurate voice-to-text conversion, facilitating convenient reading and editing for an enhanced journaling experience.

#### Cafe Ambrosia

Aug 2023 - Oct 2023

- Developed a Django-powered web application for a cafe's website.
- Implemented Bootstrap and Jinja for a responsive and visually appealing front-end with a real-time dynamic menu.
- Utilized a secure Django back-end, featuring a password-protected admin interface for seamless menu management.
- Managed essential menu item details including category, description, prices, and availability status, in an SQLite database, ensuring efficient data storage and retrieval.

#### BuzzBuddy

Mar 2023 - May 2023

- Developed dynamic real-time private chatting application with Angular 2, Node.js, MongoDB, and Socket.io.
- Implemented secure user authentication with token-based access.
- Enabled users to register, log in, and engage in private one-on-one messaging.
- Real-time updates to the chat list for user online/offline status.
- Secured home page with Angular Route Guard to ensure authenticated access.

#### Little Palm Island Website - Clone

Dec 2022 - Jan 2023

- Recreated the "Little Palm Island" resort website template with a personalized touch using HTML, CSS, and Bootstrap.
- Developed a visually impressive and responsive web application with a stellar user interface.
- Designed four functional pages: Home, Our Resort, Activities, and Rooms and Suites, ensuring a seamless navigation experience.
- Focused on the front-end, creating an aesthetically pleasing and engaging user experience for this personal passion project.

### ACHIEVEMENTS:

- Featured in the "Eenadu" an Indian daily newspaper for the "Global Seedball Campaign" for Eco-restoration a co-initiative by the Indian Government and Ayudh NGO. **Aug 2019**
- Recipient of the Best Delegate Award at the Model United Nations affiliated with the British Council. **Feb 2018**
- Contributed to the record-breaking "Annamacharya Laksha Gala Sankeertharchana," participating in a chorus of 160,000 people, and achieving a historic milestone by setting a new Guinness World Record. **May 2009**