BALAKRISHNA MANGALA

Baltimore, Maryland

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🌐 https://balakrishnamangala05.github.io/react-app/

Education

University of Maryland Baltimore County, Baltimore, MD September 2023 – May 2025
Master of Science in Computer Science GPA - 3.2

Anurag University, Hyderabad, India July 2018 – May 2022
Bachelor of Science in Computer Science GPA - 3.8

Experience

Capgemini Engineering July 2022 – August 2023
Associate-II Software Engineer/ Senior Analyst Bengaluru, India

- Developed and maintained components for both front-end and back-end of applications using the react.js and node.js. Conducted code reviews and contributed to the continuous improvement of development processes. Worked on back-end development tasks, including server coding and database management.
- Participated in agile Software development, prototyped and code reviews with a small team of developers.
- Designed new features and performance enhancements for existing systems.
- Designed and implemented dynamic solutions to visualize and deliver daily test result reports to team members using React..

Capgemini Technology Limited February 2022 – June 2022
Software Engineer Intern Hyderabad, India

- Built a web application through Angular and created different components for the application. Implemented modern and responsive UI for the web and mobile
- Collaborated with teams using Git for code management and task allocation in MEAN stack projects along with a cross-functional team to design, develop, and integrate RESTful APIs.

Projects

Multiplex Booking System | *React, Node.js, MongoDB, Postman, GitHub Actions* April 2022 – July 202

- Developed a website for Online Movie Ticketing System using HTML, Bootstrap, JavaScript, React.js as front-end and Node.js and Express.js as back-end and database MongoDB.
- Developed a login and registration system using JWT and performed password encryption using bcrypt.
- Built a powerful and complete REST APIs using ReactJS and performed the API testing on postman. Designed and configured a database to perform CRUD operations using MongoDB hosted on AWS Amplify.

Descriptive Online Examination System | *HTML, Bootstrap, JavaScript, Python, SQLite* Jan 2022 – April 2022

- Developed a Examination portal using HTML, JavaScript and used Django framework for back-end application which is written in python and database used SQLite.
- Developed the website has the feature where the students write the descriptive answers which will be automatically evaluated with the help of Natural Language Processing Techniques.

WhatsApp Chat Analyzer | *Python, Streamlit framework, Pycharm* October 2020 – December 20

- Developed a Machine Learning project that mainly analyzes the WhatsApp chat data using various machine learning algorithms like TextBob, VADER algorithm.
- Extracted insights such as word frequency, sentiment analysis, user activity, conversation trends, and created dynamic visualizations using Streamlit's built-in charting tools to present data insights
- Built an application using the Streamlit framework to analyze WhatsApp chat data with Natural Language Processing (NLP).

Technical Skills

Programming Languages: Python, Java, C, C++, HTML/CSS, JavaScript, SQL
Frameworks and Libraries: React, Angular, Node.js, Express.js, Weka, Streamlit, Redux, NgRX
Tools, Technologies and OS : Linux, GitHub, IBM Watson, Postman, Angular CLI, Git, Heroku, Machine Learning
Data Management: MySQL, SQLite, MongoDB