

RISHIK BHIMAVARAPU

Ongole, Andhra Pradesh

📞 7337237148 ✉ rishiktarak@gmail.com

Education

Indian Institute of Information Technology SriCity

Bachelor of Technology in CSE (CGPA of 8.0)

2020 – Apr 2024

Andhra Pradesh, India

Experience

Keus Smart Home Automation

Jan 2024 – Present

Jr. Software Engineer

Hyderabad, India

- Migration of a monolithic application to a modular microservices architecture using Moleculer.js and plugin-based design, improving system scalability, maintainability, and operational efficiency.
- Designed and implemented multiple API endpoints to support comprehensive functionality for a tablet app.
- Implemented multiple user-centric features that enhanced system functionality and significantly improved overall user experience, contributing to higher product value and customer satisfaction.
- Integrated multiple devices into the system, ensuring compatibility with existing features.

Projects

Freelancing Website | *React.js, Express, MongoDB* | [Link](#)

- Developed an appealing web application tailored for freelancers with JWT authentication using MERN stack
- Integrated essential middleware components such as Multer, Morgan, Body-parser, and Swagger into the app, used caching mechanism with Redis resulting in a **80%** reduction in response time.
- Implemented administrative tools enabling efficient tracking and management of all services, empowering administrators to perform CRUD operations seamlessly.
- Utilized the Mocha framework for unit testing and establishing communication with server RESTful APIs.

Search Engine for Movies | *Python* | [Link](#)

- Processed approximately **35,000** documents collected from Wikipedia, focusing on the movie domain.
- Implemented Cosine similarity to assess the relevance between the query and the document.
- The system retrieves the top 10 documents with high cosine similarity scores, ranging from **0-1**.
- Utilized Python libraries such as NLTK, NumPy, and Pandas for preprocessing the content.

Banking Application using Java | *Java, JDBC* | [Link](#)

- Developed and implemented a Bank Management System to enhance operational efficiency, allowing users to seamlessly conduct transactions and access account details via the terminal interface.
- Employed the JDBC connector to connect with the MySQL database where the data is stored.
- Users can create, read, update, and delete their account details, enabling them to manage their accounts.

Technical Skills

Languages : TypeScript, JavaScript, Core Java (J2EE), C, SQL, Python

Frontend : HTML, CSS, ReactJs, Bootstrap

Backend : Node.js, REST API, grpc, Protobuf, MongoDB, Redis, Moleculer, Microservices, Design patterns

Coursework : Data Structures and Algorithms, Object-oriented Programming, DBMS

Coding Profile and Certifications

- * AWS Certified Cloud Practitioner – Amazon Web Services (AWS) : [Link](#)
- * Completed 300+ coding challenges on Gfg, Leetcode