

# CHOKAMELA KALI PRASADA MANI M

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## Summary

Aspiring Software Development Engineer with expertise in full-stack web development, proficient in using modern frameworks like React.js, Node.js, and Express.js. Strong foundation in object-oriented programming (OOP) principles, and experienced in building scalable, efficient applications. Adept at leveraging cloud technologies such as AWS and Kubernetes to ensure application reliability and performance. Motivated to work in collaborative, fast-paced environments, continuously learning and applying cutting-edge technologies to deliver high-quality software solutions.

## Education

### SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

B.Tech · Computer Science

Sep 2021 - Present

8.99

### Narayana Junieur College

12th · APBIE

Jun 2020 - Mar 2021

88%

## Projects

### E-Commerce Platform Development

· React.js, Express.js, Node.js, MySQL

Jan 2024 - May 2024

Web Development

- **Developed a scalable and efficient e-commerce platform** featuring a dynamic and responsive user interface using React.js.
- **Built a robust backend with Express.js and Node.js** to manage server-side operations, including user authentication, product management, and order processing, and utilized MySQL for reliable data storage.
- **Demonstrated full stack web development proficiency** by integrating various technologies seamlessly to create a cohesive and high-performing application.
- **Deployed the application using Kubernetes** to ensure efficient scaling and manageability of the services.

### NLP-Based Text Summarizer

· Python, SpaCy, Transformers, Flask

May 2024 - Aug 2024

Machine Learning

- **Developed an interactive web application using Flask**, allowing users to input text and receive summarized versions by leveraging SpaCy and Transformers for highly accurate and efficient results.
- **Implemented user customization features** to specify the number of sentences in the summary, enhancing the application's flexibility and user experience.
- **Deployed the application on AWS**, ensuring scalability, reliability, and smooth handling of user requests in a production environment.

### Weather Forecast Application

· Flask, BeautifulSoup4, Pandas

Nov 2022 - Feb 2023

Web Application Development

- **Built a Flask-based web application** for weather forecasting, allowing users to enter a city name and receive the weather forecast.
- **Implemented web scraping using BeautifulSoup4** to gather real-time weather data from the **BBC Weather website**.
- **Displayed high and low temperatures**, along with a daily summary, providing a concise and clear weather forecast.
- **Ensured robust error handling** for invalid city names and connection issues, enhancing the user experience.
- **Utilized Pandas** for data manipulation and efficient handling of scraped weather information.

### Movie Recommendation System

· Python, Pandas, NumPy

Jun 2023 - Oct 2024

Machine Learning

- **Developed a movie recommendation system using Python**, leveraging Pandas and NumPy libraries to analyze user preferences and behavioral data.
- **Implemented cosine similarity and Euclidean distance algorithms** to generate personalized movie recommendations, significantly enhancing user engagement and experience.

## Skills

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- **Programming Languages:** Python, JavaScript, C++, C,SQL
- **Web Development:** HTML, CSS, React.js, Bootstrap, Node.js, Express.js, Flask
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Version Control:** Git, GitHub
- **API Development:** RESTful APIs
- **DevOps & Cloud:** Linux, Kubernetes, GitHub Actions, AWS
- **Development Practices:** Agile, Scrum, Test-Driven Development (TDD)
- **Tools:** VS Code, Web IDE, GitHub

## Certifications

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### Full-Stack Web Development

Udemy

### Oracle Cloud Infrastructure Foundation

Oracle

### Machine Learning

Coursera

## Volunteering

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### Directorate of Student Affairs

Committee Head

Consolidated fest logistics and streamlined processes, resulting in a 30% reduction in setup time and improved event efficiency for 700+ attendees

## Conferences and Workshops

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### Responsible and Safe AI

IIT Madras

Dec 2023

### 5 days add-on course in Full-Stack Development | [Certificate](#)

SRMIST, Chennai

Jul 2024

## Links

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[LinkedIn](#), [GitHub](#)