

# KOMAL NAIDU VANAMALA

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<https://komal-n.github.io/Portfolio/>

## PROFESSIONAL EXPERIENCE

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**Full-Stack Developer (Volunteer)**, *Oppia: A free, online learning platform* Aug 2023 – present

- Building user interfaces for the **open source project**
- Handling issues and implementing **new bug fixes** or features for the Oppia project
- Working with technologies like **Angular with Typescript, Python, and Docker** for deployment issues

**Student Assistant**, *UMKC International Student Affairs Office* ☑ Feb 2022 – May 2023 | Kansas City, USA

- Clarified queries of international students and acted as a **liaison** between students and university DSO.
- Updated student records using Perceptive Content, and implemented direct linking which **reduced the application load by 50%**
- Implemented an **automated voicemail** system, **improving issue resolution accuracy by 40%**

**Associate Software Engineer**, *Advance Auto Parts* ☑ Nov 2020 – Nov 2021 | India

- Developed backend using **Java with Spring Boot** hosted in **Azure App Service**
- Managed end-to-end **application development** and deployment using **Github Actions**
- Resolved **450+ tickets** using **Jira** tracker, ensuring smooth operation
- Built the client's frontend platform using **React.js** and **Redux**
- Monitored 3700+ stores daily using **ServiceNow** and remote access
- Utilized **SQL** for database integration, including table creation, views, stored procedures, and complex queries

## SKILLS

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### Full-Stack Development

Front-end Tech: HTML, CSS, JavaScript, Typescript, Angular, React

Back-end Tech: Java, NodeJS, Python, C#, Flask

Databases: MySQL, MongoDB

Libraries/Frameworks: Spring Boot, ReactJS, Redux, Bootstrap, Jasmine, Karma

### Others

Git, C language, Objective C, Xcode, OOPS, Data Structures & Algorithms, Debugging, NGINX, RxJS, NgRx, Jira, Docker, PHP, Laravel, CI/CD, Agile

## EDUCATION

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**Master's in Computer Science**, *University of Missouri – Kansas City* Jan 2022 – May 2023 | Kansas City, USA

CGPA: 3.78/4.0

Relevant Courses: Design and Analysis of Algorithms, Network Architecture, Cloud Computing, Introduction to Statistical Learning, Cyber Security, Computer Security, Advanced Operating Systems, Big Data

**Bachelor's in Electronics and Communication Engineering**, Aug 2016 – Oct 2020 | Hyderabad, India

*Institute of Aeronautical Engineering*

CGPA: 8.35/10.0

## PROJECTS

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**Live Language Translator AI App**, *Technologies: ChatGPT, WhisperAI, Python, Flask, React Native*

- Developed a live translator that accurately translates spoken language into the desired language using **ChatGPT's Whisper API and Google's Translation API**.
- Backend translation implemented with **Python and Flask**; user interface built using **React Native**.

**Wealth Portfolio Management Platform**, *Technologies: Java, Spring Boot, React.js, Redux, REST API*

- Designed a portfolio management platform allowing users to track assets and liabilities.
- Developed backend with **Java and Spring Boot**; frontend with **React.js and Redux**.

**MyMeals iOS App**, *Technologies: Swift, SwiftUI, iOS*

- Created MyMeals, an iOS app using **Swift** and **SwiftUI** in **Xcode**.
- Displays a list of meals with ingredients and cooking instructions.

## EXTRA-CURRICULARS

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- Student Volunteer for **International Student's Orientation** (Fall 2022, UMKC) - Assisted **over 500 new students** in familiarizing themselves with the campus.
- Student Coordinator for the **8th International Conference on Computing Communication and Sensor Networks (CCSN)**, 2019 - Managed **over 200 attendees** for the conference.
- Student Organizer for the **2018 NASA Space Apps Challenge** at the zonal level - Organized a **24-hour continuous hackathon** for **150 students**.