

# BALAKRISHNA DARAPANENI

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## EDUCATION

### University of Cincinnati | Cincinnati, Ohio

Expected Dec 2024

- Master of Science in Information Technology

### VNR Vignana Jyothi Institute Of Engineering And Technology (affiliated to JNTU, Hyderabad)

2016-2020

- Bachelor of Technology in Electronics and Communication Engineering

CGPA: 3.5/4

## TECHNICAL SKILLS

- **Programming Languages:** Java, C, Python, JavaScript, HTML, CSS
- **Frameworks and Databases:** ReactJS, Spring, Spring Boot MySQL, SQL Server, MongoDB
- **Tools:** Visual Studio, Postman, Bitbucket, Jira, GitHub, Google Cloud Platform

## PROFESSIONAL EXPERIENCE

### Software Engineer

#### FTD India Private Limited

Jun 2022 – Aug 2023

- Orchestrated end-to-end development as a full-stack developer, collaborating seamlessly with 5 cross-functional teams, resulting in a **40% reduction** in production time.
- Enhanced e-commerce application functionality by 40% through Next JS features.
- Achieved a 30% improvement in application optimization by integrating third-party libraries and APIs.
- Implemented a migration plan for upgrading multiple applications to the latest Spring Boot and Mongo versions.

### Programmer Analyst

#### Cognizant Technology Solutions

Oct 2020 – Jun 2022

- Collaborated with cross-functional teams to deliver innovative Java-based web applications for **Walmart** client, resulting in a 10% higher customer satisfaction.
- Improved system efficiency by 30% through enhancing **RESTful APIs** between frontend and backend systems.
- Maintained 100% adherence to best coding practices, ensuring delivery of high-quality code.
- Managed end-to-end process, including design, development, unit testing, and deployment of applications.
- Accomplished a **25% increase** in application efficiency through performance tuning and code refactoring.

### Full Stack Developer Intern

#### Cognizant Technology Solutions

Dec 2019 – Apr 2020

- Developed Spring Boot Login Application using Rest APIs, resulting in a 20% increase in system functionality.
- Created a Pet Fit App using Web Development where users can monitor the status of pets using a mobile.

## ACADEMIC PROJECTS

### Instantaneous Informant Chatter Bot

Jan 2020 – Mar 2020

- Implemented a chatter chatbot solution, resulting in a **30% increase** in query resolution efficiency.
- Resolved over 200 common queries across multiple languages and communication methods, utilizing both microphone and keyboard interactions.
- As a UI designer, played a key role in achieving a 15% boost in critical user experience metrics, significantly elevating the overall usability and satisfaction levels of the product.
- **Technologies/Algorithms Used:** Python, Graphical User Interface, Node.js, Machine Learning, NLP.

### Real-Time Automatic Helmet Detection of Bike Riders

Aug 2019 – Oct 2019

- Led a development team in creating a scalable and efficient solution, utilizing Open CV and tesseract to fulfill real-time helmet detection on various camera feeds, resulting in a **20% reduction** in compliance incidents.
- Constructed an intuitive web-based dashboard allowing authorities to monitor and analyze helmet compliance trends making a **25% improvement** in data-driven decision-making and proactive safety measures.
- **Technologies/Algorithms Used:** Python, Open CV, tesseract, Natural language Processing.

## CERTIFICATIONS

- **AWS Cloud Practitioner** by Amazon Web Services (AWS)

Apr 2022