

# Medam Charan

Hyderabad, India

+91 8074 1036 58

[charanm5049@gmail.com](mailto:charanm5049@gmail.com)

[LinkedIn](#)

[GitHub](#)

## OBJECTIVE

---

Adapting to Technological Advancements in the Workplace This essay could explore the need for professionals to continuously enhance their technical and analytical skills to keep up with technological advancements in the workplace. It could discuss specific examples of how technology has transformed various industries and the skills that professionals need to develop in order to adapt to these changes.

## TECHNICAL EXPERTISE

---

**Languages:** Java, JavaScript, HTML,CSS

**DevOps:** Docker, GitHub Actions

**Front End:** React.js, Redux, Material-UI

**Cloud:** AWS (EC2, IAM)

**Back End:** Spring Boot, RESTful APIs

**Version Control:** Git

**Databases:** MySQL, MongoDB

## PROJECTS

---

### BlogApp - Scalable Blog Platform:

Developed a scalable full-stack blog application using Java Spring Boot and React. Created RESTful APIs for managing blog posts and user operations, leveraging Spring Data JPA for database management and entity relationships. Containerized the application using Docker and deployed it on Amazon EKS (Elastic Kubernetes Service) for scalability. Implemented a content moderation system with a post-approval workflow. Designed a responsive user interface using React and Material-UI (MUI) components. Used Redux and React Hooks for efficient state management. Integrated React Router for dynamic routing and smooth navigation. Optimized performance using React.lazy and Suspense for code-splitting and lazy loading. Deployed using AWS services such as EC2 and CloudWatch for monitoring. Employed GitHub for version control.

**Weather App:** [Project Link: gentle-tiramisu-c41997.netlify.app](#)

Developed with React for real-time weather updates.Integrated the OpenWeather API for current conditions and forecasts.Designed a responsive interface with CSS and interactive components.Used data visualization tools for temperature graphs and custom weather icons.Optimized for performance using React.memo and code-splitting techniques; future plans include weather alerts and multilingual support.

**Shopping App:** [Project Link: lively-lamington-883b91.netlify.app](#)

Built using React with a sleek, modern interface.Real-time cart updates streamline item management, utilizing React Hooks for state management and Context API for global state.Managed internal product data with JSON, with future plans for RESTful API integration.Implemented a customizable theme toggle for black/white modes using CSS and React.Responsively designed for seamless use across different devices.Offers secure payment options, including cash and card.Optimized for fast performance and smooth interactions using React.memo and lazy loading techniques.

## CERTIFICATIONS

---

[Python Certificate](#) - Udemy

[Program Certification](#) - 90-Day Project Bootcamp, AcademixEdu

[Data Science For Engineers](#) - NPTEL

## EDUCATION

---

### B.Tech in Electronics Communication and Engineering

*Christ (Deemed to be University), 2024 , CGPA: 9.27*

### 12th Grade

*Narayana Junior College, 2020 , CGPA: 9.53*

### 10th Grade

*Indus High School, 2018 ,CGPA: 9.7*