ADARSHA

+1 (812)-778–4949; adarshareddy82@gmail.com; LinkedIn: [Adarsha Reddy,](#) United States.

EDUCATION

Indiana University | Bloomington   *Aug 2022 - May 2024*
M.S. in computer science, GPA 3.967
SASTRA Deemed to be University | Thanjavur, Tamil Nadu, India   *Aug 2016 - May 2020*
Bachelor of Technology, Information Technology, GPA 8.28

WORK EXPERIENCE

Capgemini Technology Services India Limited, Associate Consultant / Software Engineer

- Played a key role in automating code generation on Kubernetes enhancing software quality, which led to a 30% reduction in integration time for external systems and a 25% decrease in developer effort.
- Enhanced code quality by 40% and accelerated release cycles by 35% through strategic implementation of Git and CI/CD pipelines.
- Improved user experience internal chat box functionality, boosting user engagement and decreasing issue resolution time by 50%.
- Developed a chatbot-based incident ticket generation system within ServiceNow, elevating customer satisfaction by 15% and enhancing support efficiency.
- Created a Rundeck script for deploying applications across multiple clients, enhancing deployment efficiency and reducing the need for repetitive scripting.
- Optimized product customization in line with specific product specifications using Spring Boot and Java, contributing to a 20% rise in client-specific adaptations and a 10% faster project delivery.
- Implemented a new caching mechanism, achieving a 60% reduction in database query response times and a 30% increase in system efficiency.
- Played a crucial role in the adoption and implementation of DevOps methodologies, resulting in more streamlined development processes and efficient deployment cycles.

Capgemini Technology Services India Limited, JEE Intern

- Acted as a key contributor to the backend development of an Employee Management System, enhancing system efficiency by 25% and management effectiveness by 20%.
- Improved team productivity by 15% through effective collaboration and communication in a high-paced environment.
- Led the design of scalable and maintainable software systems, resulting in a 30% improvement in system scalability and a 20% increase in maintainability.

TECHNICAL SKILLS:

Programming Languages: C/C++, Java, Python, HTML, CSS, ReactJS, MySQL, NoSQL, Javascript, Typescript.
Other Skills: Data structures, Algorithms, OOPS, MVC, System Design, Design Pattern, SpringBoot, SpringData JPA, microservices, Apache Velocity, RabbitMQ, Git, IntelliJ, Kubernetes, RESTful API, Jira, JSON, mobile development(android, IOS).

PROJECTS

- **National Park Tour Planning**
  Developed a web-based application for planning tours to U.S. national parks. Includes features for transportation, itinerary planning, lodging arrangements along with maps. Utilized Java, Spring Boot, PostgreSQL, ReactJS, Maps.
- **Food Allergen Detector**
  Engineered a cross-platform mobile application (IOS and Android) that scans product barcodes to detect food allergens and also provides an alert when an user preferences allergen is detected enhancing the overall user experience. Implemented with JavaScript, React Native, Barcode Scanning API, Firebase.
- **Lung cancer detection using boosted neural network**
  Developed a machine learning model to classify patients for lung cancer detection, achieving 90% accuracy and reduced false positives. Trained on Thoracic surgery data using Python, TensorFlow, scikit-learn.
- **Image Recognition in R**
  Built an application for converting image content to text, achieving 95% accuracy. Utilized advanced image processing techniques in R.
- **Sentimental analysis for health drinks**
  Performed sentiment analysis on health drinks using NLP, employing Python, NLTK, and TensorFlow for analytical processing.