

UMAMAHESHWARA N

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EDUCATION

Vivekananda College of Engineering and Technology
Master of Computer Applications; CGPA: 8.37

Puttur, India
Feb 2023 – Sep 2024

Vivekananda Degree College
Bachelor of Computer Applications; CGPA: 8.6

Puttur, India
Jun 2019 – Oct 2022

SKILLS

- **Languages:** JAVA, SQL, HTML, CSS, JavaScript, React JS, Python Basics, C Programming Basics, Flutter Basics
- **Frameworks:** JDBC, Hibernate, Spring
- **Tools:** Git, GitHub, Maven, Jenkins, Docker, DockerHub, Ansible, Terraform, Kubernetes
- **Platforms:** Visual Studio Code, Eclipse, MySQL Workbench
- **Cloud Platform:** AWS (EC2, S3, IAM, EBS, AMI, ASG, ELB, ALB, VPC, Route 53, CloudWatch, SNS, RDS, and AWS Lambda)
- **Networking Expertise:** TCP/IP, DNS, VPNs, HTTP/HTTPS, IPv4, IPv6, Firewalls, SDLC, and Agile
- **Operating System:** Windows and Linux

EXPERIENCE

Kakunje Software Private Limited
Flutter Framework

Mangalore
Nov 2024 – Dec 2024

- Completed an internship at Kakunje Software Private Limited Company focused on mobile application development.
- Learned the basics of Flutter and used it for building mobile applications.
- Developed apps for both Android and iOS with a single codebase.
- Gained practical experience in mobile application development using the Flutter framework.

PROJECTS

Tomato Leaf Disease Detection and Pesticide Using Deep Learning

- Developed a CNN model with Keras for accurate tomato leaf disease detection.
- Implemented a user-friendly interface for easy image uploads and immediate results.
- Provided pesticide recommendations based on detected diseases to enhance crop management.
- Preprocessed a large image dataset spanning multiple classes to support accurate classification in a deep learning model.
- Achieved an accuracy of 91.01% on the tomato leaf disease detection model, demonstrating high precision in classifying leaf diseases.

CI/CD Pipeline for Web Application Deployment

- Designed and implemented a CI/CD pipeline using Jenkins, automating build, testing, and deployment processes while integrating Git and Maven.
- Used Docker for containerization, pushed images to Docker Hub, and deployed in an AWS-hosted Linux environment.
- Configured Jenkins for continuous deployment, reducing manual effort by 40% and deployment time by 30%.

CERTIFICATION

Java Full-Stack Development

- Developed full-stack web applications using Java and Spring Boot for backend, and HTML/CSS/JavaScript for frontend with RESTful API integration
- Worked with relational databases like MySQL and enforced CRUD operations to manage dynamic data effectively.

Privacy and Network Security (NPTEL)

- Learned cryptographic techniques for ensuring data confidentiality and integrity
- Understood network security protocols and methods to mitigate cyber threats

ACHIEVEMENT

Present the paper in the Preconference Presentation on the topic Tomato leaf Disease Analysis and Pesticide Strategy with Deep Learning in International Conference Drishti 2024