

ATHARVA SARADA

Sangli, Maharashtra

Click/Tap on my name to know more about me!

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EDUCATION

DKTE's Textile and Engineering Institute, Ichalkaranji

2021 – 2025

B.Tech - Computer Science and Engineering - CGPA - 8.07

Ichalkaranji, Maharashtra.

HOF University Of Applied Sciences, Germany.

2024 (March - August)

Computer Science - Passed with distinction in cloud computing

Hof, Germany.

N.K.V.C. , Kupwad, Sangli.

Passout - 2021

HSC - Percentage - 96.67

Sangli, Maharashtra.

PROJECTS

AI Customer Support Chatbot | Python, TensorFlow, Flask, NLTK

2025

- Built an AI-powered chatbot using NLTK for text preprocessing and a TensorFlow deep learning model for intent classification, enabling accurate and context-aware responses.
- Developed a responsive chat interface with HTML, CSS, and JavaScript, featuring real-time messaging and typing indicators for enhanced user experience.
- Optimized for customer support scenarios by pre-training the model with common service-related conversations, allowing efficient and relevant automated assistance.

DripNest: e-commerce website | HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, GitHub. 2025

- Developed a dynamic e-commerce platform (DripNest) supporting seller and customer accounts, real-time product management, and secure MongoDB-backed data storage.
- Implemented a modern dark-themed UI with responsive design using HTML, CSS, and JavaScript, ensuring seamless shopping experiences across devices.
- Integrated backend APIs for product addition, deletion, and retrieval, enabling sellers to manage inventory from any device via a dedicated dashboard.
- Project is live at: **DripNest**

Translation of Natural Language to ER-Diagram's | NLU, Mermaid, Python, DBMS

2024

- Developed a model that enables users to translate natural language descriptions into ER diagrams using Mermaid.js and NLP-based prompts. This simplifies the database design process by automating ER diagram generation from textual input.
- Implemented the project to process large datasets, automatically extracting primary keys and establishing relationships. The generated Mermaid.js code can be directly used to visualize the ER diagram, reducing manual effort and improving accuracy.
- Enhanced the system's efficiency by optimizing entity recognition and relationship extraction, ensuring accurate and scalable ER diagram generation for complex database structures.

High Availability ownCloud Service | AWS, MySQL, Apache2, PHP, Haproxy, VM, Docker

2024

- Implemented a load-balanced ownCloud service using HAProxy, AWS Docker containers, EC2, ECS, and RDS, ensuring high availability and efficient resource utilization.
- Developed solutions with two approaches - AWS Docker containers and Linux VMs - to enhance redundancy, fault tolerance, and scalability.
- Configured HAProxy as a reverse proxy to distribute traffic efficiently, reducing server overload and improving system performance.
- Optimized database management using Amazon RDS, ensuring automated backups, failover support, and seamless scaling for large datasets.

TECHNICAL SKILLS

Languages: C++, C, JavaScript, Java, SQL.

Front-End: HTML5, CSS3, Bootstrap, Tailwind CSS, JavaScript, React.js.

Back-End: Node.js, Express.js, MongoDB, RESTful APIs.

Technical Skills: Object-Oriented Programming (OOP), Data Structures and Algorithms (Basics), Database Management Systems (DBMS), Data Cleaning, Data Transformation, Statistical Analysis.

Data Visualization: Tableau, Power BI, Matplotlib.

Databases: MySQL, MongoDB.

Machine Learning (Basics): Natural Language Understanding (NLU), Scikit-learn, Regression, Classification.

IDEs: Anaconda, Jupyter Notebook, Visual Studio Code, AWS Cloud.

Developer Tools: XAMPP, Git, GitHub, Amazon Web Services (S3, EC2, Lambda), Snowflake, Apache Spark.

CERTIFICATIONS and INTERNSHIPS

Unified Mentor - (Ongoing Internship) - Developing 4 Industry level Full Stack Web Applications.

Complete Web Development Bootcamp - Dr.Angela Yu - Completed the Complete Web Development Bootcamp by Dr. Angela Yu on Udemy, covering essential front-end and back-end technologies for full-stack development.

Learn Ethical Hacking From Scratch - Zaid Sabih - Completed the Learn Ethical Hacking From Scratch course by Zaid Sabih on Udemy, gaining hands-on experience in penetration testing, network security, and exploiting vulnerabilities.

Salesforce Developer Virtual Internship - Completed 8 weeks virtual internship gaining trailhead modules and 3 super badge.

C+ and DSA - Attended a 7 days Bootcamp by Devtown in association with google and amazon.

EXTRACURRICULAR

Selected for Semester exchange

Hof, Germany'2024

- * 1 of the 4 students selected for semester exchange program at Hof University Of Applied Sciences, Germany during my 6th semester.
- * Gained hands-on experience with German technology, academic methodologies, and international collaboration.

Techfest

IIT, Bombay'2022

- * Participated in IIT Bombay Techfest under the Ethical Hacking event, gaining insights into cybersecurity fundamentals.
- * Learned the basics of ethical hacking, including network security, penetration testing, and vulnerability assessment.