

Durga Rao Karetı

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EDUCATION

Sri Vasavi Engineering College	2021 – 2025 (Expected)
• Bachelor of Technology in Computer Science Engineering (CGPA – 8.30/10.0)	Tadepalligudem, AP
Sasi Junior College	2021
• Intermediate (CGPA – 8.9/10.0)	Tadepalligudem, AP
ZPH High School	2019
• State Board of AP (CGPA-9.0/10.0)	Pedatadepalli, AP

SKILLS AND INTERESTS

- **ServiceNow:** ITOM Overview, Discovery (MID Server setup, Discovery schedules, CI identification, CMDB relationships & normalization)
- **Languages:** Java, C++, Python.
- **Relevant Courses:** Data Structures Algorithms.
- **Web Development:** HTML, CSS, JavaScript.
- **Database Management:** SQL
- **Tools:** Git Version Controller, Eclipse IDE, Visual Studio.

PROJECTS

Full Stack Java Application: Faculty Management System

- Designed and developed a dynamic faculty management system using Java and Spring Boot for backend development, reducing data processing time by 30% through efficient algorithms.
- Built an interactive and responsive frontend using HTML, CSS, and JavaScript, achieving a 25% increase in user engagement.
- Integrated MySQL to handle over 10,000 records, ensuring efficient CRUD operations and maintaining 99.9% uptime during testing.
- Leveraged Git for version control, managing over 50 commits collaboratively, and deployed the system locally using Eclipse IDE.
- Improved database query latency by 40% through optimization techniques, enhancing overall system performance.
- Successfully demonstrated expertise in web development and tools like Visual Studio, ensuring scalability and maintainability of the application.

Helmet Detection Using ML

- Spearheaded a project utilizing advanced computer vision techniques, achieving a 95% accuracy rate in helmet detection and significantly enhancing safety protocols in various sectors.
- Deployed the model in real-time monitoring systems, improving safety compliance by 30% and demonstrating expertise in practical AI solutions.
- Processed and analyzed over 10,000 images and hours of video footage, showcasing proficiency in large-scale data handling and model optimization.

ACHIEVEMENTS

- Successfully tackled over **100+** problems on **LeetCode** in **Data Structures and Algorithms (DSA)** and **Databases**.
- Achieved a score of **500+** on **GeekforGeeks** in competitive **Problems** and **Data Structures and Algorithms(DSA)**.
- Earned a certificate in **JAVA Programming** from **NPTEL** with a score of **70%**.
- Achieved a Global Certification in ServiceNow **Certified System Administrator (CSA)**.
- Achieved a Global Certification in ServiceNow **Certified Application Developer (CAD)**.
- Achieved a Global Certification in ServiceNow **Certified Implementation Specialist - Discovery (CIS-D)**.

POSITION OF RESPONSIBILITY

- **Leadership:** Fostered a collaborative and supportive environment, boosting group project success rates by 20% and improving student satisfaction by 15%. Committed to personal and professional growth, positively impacting peers.
- **GDSC Team Member:** Throughout the year 2022-23, organized various engaging events with teammates, including a Google Cloud workshop on September 13, 2023. Learning new things alongside fellow batch mates and seniors during these workshops was truly fulfilling.