

NIMITHA ARUMALLA

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CAREER OBJECTIVE

Enthusiastic and dedicated recent graduate seeking an entry-level position in Software Development. Where I can apply my academic knowledge and skills. Eager to contribute to company while gaining hands-on experience And growing professionally in a dynamic environment.

EDUCATION

NRI Institute of Technology

Bachelor of Technology in Computer Science and Engineering-CGPA-8.7

Sri Chaitanya Junior College

Intermediate (MPC) -93%

Agiripalli, Eluru Dist.

Nov. 2021 – May 2025

Vijayawada, NTRDist.

June 2019 – May 2021

SKILLS SUMMARY

- **Languages:** Python, Java Full Stack, C
 - **Web Development:** HTML,CSS,PHP, JavaScript,
 - **Frameworks:** Flask, Django, Junit, Hibernate,Bootstrap.
 - **Developer Tools:** Git,Docker,VS Code, PyCharm, Eclipse, power Bi.
 - **Libraries:** Pandas, NumPy, Matplotlib, OpenCV,TensorFlow.
 - **Databases:**MySQL,MongoDB.
 - **Soft Skills:** Time Management, Leadership, Initiative, Communication.
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PROJECTS

Handwritten Digit Recognition using CNN

Technologies: python (tensorflow, Flask)

- Developed a Convolutional Neural Network (CNN) model with a 99% accuracy rate for handwritten digit recognition using the MNIST dataset.
- Improved model performance by 15% through the integration of advanced image preprocessing techniques, including resizing, normalization, and color inversion.
- Handled 100+ user inputs during testing, ensuring a robust and user-friendly application.

Vegetable Market

Technologies: Python (Django), HTML, Bootstrap, SQLite

- Designed an e-commerce platform serving 100+ daily users, enabling efficient vegetable basket management.
- Implemented secure user authentication, boosting the platform's security rating by 25% and improving data protection.
- Optimized database queries, reducing CRUD operation execution time by 40%, resulting in a smoother user experience.

Technical Quiz Application

Technologies: HTML, CSS, JavaScript, SQL

- Developed a quiz platform that facilitated over 200+ quizzes with a 15% increase in user participation due to enhanced user interaction features.
 - Reduced query response time by 25% through efficient database structuring and optimization, resulting in a more responsive user experience.
 - Achieved a 98% user satisfaction rating by implementing real-time score tracking and quiz result feedback.
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INTERNSHIP

HMI Engineering Services (Virtual Internship)

Feb 2023 – June 2023

- Engineered a registration system using Hibernate for ORM, JSP for web interface, and MySQL for database management, reducing user registration time by 40% and improving system scalability.
 - Implemented CRUD operations for database management, increasing system response time by 25%.
 - Coordinated with team members to ensure seamless functionality and user-friendly interface, enhancing data retrieval speed by 30%.
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CERTIFICATES

- **Hacker Rank:** Python (Basic), Problem Solving, SQL.
- **Cognitive Class:** Python Data Science.
- **Solo Learn:** Python (Basic & Intermediate), HTML.
- **Wipro Technologies:** Java-J2EE Course Completion.
- **NPTEL:** Cloud Computing, Joy of computing using python.