

Umesh Krishna Rao Vummidi

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CAREER OBJECTIVE: To work in very professional environments that I can prove myself become an asset to the organization and be a key player in a competitive software development company.

ACADEMIC PROFILE:

Course	Institute	Board/University	Passed Out Year	Percentage/CGPA
BTech (C.S.E)	GMR Institute of Technology	J.N.T.U. Vizianagaram	2022-2025	(8.0 CGPA)
Diploma (C.M.E)	Behera Technical Campus, Visakhapatnam	SBTET	2019-2022	81.32%
10 th	Little Angels School , Visakhapatnam.	CBSE	2018-2019	80%

TECHNICAL SKILLS:

- **PROGRAMMING LANGUAGES:** java, C, Python, javascript.
- **WEB FRAMEWORKS:** React.js, Node.js, Express.js, Bootstrap
- **DATABASES:** SQL, mongodb
- **MS OFFICE:** Excel, Word.
- **TOOLS AND UTILITIES:** Github, Visual Studio, Jupiter notebook.
- **Iot(Internet of things):** Arduino-ide, Raspberry pi

PROJECTS:

- **Chatbot for Mathematical formulas using Python (15 May- 1 July 2021)**
 - Developed a Python-based chatbot for solving mathematical queries.
 - Integrated machine learning models to improve understanding of mathematical problems.
 - Designed a user-friendly interface for seamless interaction with the chatbot.
 - Deployed the chatbot using Flask for easy access.
- **Training Institute Web-application (12 April -30 april 2022)**
 - Utilized technologies such as HTML, CSS, JavaScript for front-end development, and Python (Django/Flask) for back-end development.
 - Implemented user authentication and role-based access control for administrators, instructors, and students.

- Created modules for course management, including course creation, scheduling, and enrollment tracking. Designed and integrated a dynamic dashboard for real-time monitoring of course progress and student performance
- **Traffic Lighting System Using Arduino (2 July -2 August 2023)**
 - Developed an automated traffic light control system using Arduino microcontroller.
 - Designed and programmed the system to manage traffic flow at intersections with timed lighting sequences.
 - Created detailed documentation for the project, including circuit diagrams, code explanations, and user manual.
- **Todo List Manager (Jan 20-Feb 10 2024)**
 - Designed Todo List Manager with React, Redux, and Tailwind CSS.
 - Simplified task organization, resulting in a 40% increase in task completion rates.
 - Enhanced scalability and robustness with Redux state management, reducing system errors by 80%.
- **Runway Lighting System using Arduino(20 Feb -2 May 2024)**
 - Designed and developed an automated runway lighting control system using Arduino microcontroller.
 - Programmed the system to simulate real-world runway lighting sequences, including takeoff and landing signals.
 - Utilized LED lights and relays to create a scalable and energy-efficient lighting system
 - Integrated sensors to detect aircraft presence and dynamically adjust lighting patterns for optimal visibility and safety

INTERNSHIPS:

- **Embedded Systems -July 2023 to August 2023**
 - MSME, Visakhapatnam
 - Project : Efficient usage of Arduino microcontrollers and Raspberry-Pi operating system. Our project showcases in developing and implementing various mechanisms with Arduino and RaspberryPi.
 - Combined the strengths of Arduino for real-time sensor data collection and Raspberry Pi for processing and decision-making.

TECHNICAL CERTIFICATIONS:

- **CISCO** It professional (March 2020)
- **Coursera** Prompt Engineering for ChatGpt (June 2024)
- **Coursera** Cyber-Security Foundations (June 2024)

CO-CURRICULAR ACTIVITIES:

- Participated in **IGK olympiad** which is conducted by SOF.
- Participated in **Project-expo2020 for diploma colleges** conducted by APSBTET
- Participated in **Lions Club Chess Championship** conducted by LIONS Club.

PERSONALITY TRAITS & INTEREST:

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|-------------------------|----------------------------------|
| 1. Communication Skills | 4. Exploring latest tech trends. |
| 2. Quick Learner | 5. Chess |
| 3. Adaptable | 6. Travelling & photography |

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

[Umesh Krishna Rao Vummidi]