

SURESH MUDAVATH

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EDUCATION

University of Texas Arlington, Arlington, Texas

Aug 2022 - May 2024

Master of Science, Computer Science

Gokaraju Rangaraju Institute of Engineering and Tech

June 2018- May 2022

Bachelor of Engineering, Computer Science and Engineering

TECHNICAL SKILLS

- Programming Languages: C, Python, Java.
- Frameworks: React.js, Node.js.
- Databases: MongoDB, SQL.
- Web Dev: HTML, CSS, JavaScript.
- Tools: Git, Visual Studio, Eclipse, NetBeans, Jupyter Notebook, MS Office Suits.

PROFESSIONAL EXPERIENCE

Web Developer - at Exposys Data Labs, Hyderabad

Sept 2021 - Oct 2021

- completed a one-month web development internship with success, obtaining practical knowledge of HTML, CSS, JavaScript, and associated technologies.
- Effectively addressed and resolved technical issues, demonstrating good problem-solving abilities and helping to successfully complete assigned projects.
- Demonstrated punctuality, diligence, and initiative on a regular basis, receiving praise for her diligence and curiosity.

Full Stack Developer - at Advanced Academic Centre (GRIET), Hyderabad

Jan 2021 - June 2021

- created an accurate TS EAMCET college predictor tool with historical data, greatly assisting students in their college choosing process.
- Using Node.js and MongoDB, a solid backend system was created for effective data management, real-time prediction, and improving server-side concurrency and logic.
- Using HTML, CSS, JavaScript, and React, a user-friendly, responsive frontend was designed to provide a smooth and accessible user experience on all platforms.

Software Development - at Advanced Academic Centre (GRIET), Hyderabad

Aug 2021 - May 2022

- created a low-cost, gesture-based touchless gaming interface to improve immersion and user experience without requiring costly virtual reality gear.
- used JavaScript to create an interactive environment where users could operate the game with gestures picked up by a normal PC camera.
- TensorFlow and Python were used to implement deep learning algorithms for gesture detection, resulting in creative gaming and real-time involvement.

PROJECTS

Acoustic Keylogger in Cyber Security:

Jan 2019 – June 2019

- Participated in AAC project organized by Gokaraju Rangaraju Institute of Engineering & Technology.
- Developed innovative technology that captures and analyzes acoustic signals generated by keystrokes on input devices.
- Utilized an Acoustic Keylogger as a security measure to enhance the protection of sensitive information and prevent unauthorized access.

TDD Based Stack Development Using Black Box Testing Methods:

Aug 2023 - Dec 2023

- Utilized JUnit for comprehensive testing. Incorporated cause-effect, equivalence-partitioning, and boundary-value tests.
- Achieved 100% branch coverage using a chosen coverage tool.
- Developed a stack through the Test-Driven Development (TDD) methodology. Documented each step of the TDD process.

Library Management System (LMS):

Jan 2024 - May 2024

- Developed a Library Management System (LMS) using a waterfall model approach, utilizing HTML, CSS, and JavaScript for front-end web development and Python, Flask, and MongoDB for the backend.
- Used Selenium for automated testing to ensure system reliability.
- Implemented a user-friendly solution to improve the effectiveness of library operations.

Certifications & Achievements

CEH (Certified Ethical Hacker):

- Obtained CEH (Certified Ethical Hacker) certification from Hacker School in Ameerpet, demonstrating proficiency in ethical hacking techniques and principles.

AAC (Advanced Academic Centre):

- Earned Certification in Acoustic Keylogger in Cybersecurity from Gokaraju Rangaraju Institute of Engineering & Technology, demonstrating expertise in acoustic cybersecurity techniques.

Full Stack Developer:

- Completed a Full Stack Development course on Udemy, learning front-end (HTML, CSS, JavaScript, Angular) and back-end technologies (Node.js, Express, SQL, MongoDB).
- Earned Udemy certification, exhibiting extensive experience in developing dynamic web applications as well as a dedication to ongoing professional development.