

KOUSIKA M

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PROFESSIONAL SUMMARY

Highly skilled Full-Stack Developer with expertise in Python, Java, C, and the MERN stack, dedicated to delivering efficient, innovative solutions. Proficient in networking, data structures, and ML libraries, committed to ensuring robustness and scalability in web applications.

EDUCATION

Bachelor of Engineering – Computer Science and Engineering,

Coimbatore Institute of Technology, Coimbatore

2019- 2023

CGPA: 8.4

EXPERIENCE IN PROJECTS

Location Specific Safety Index Estimation Using Machine Learning Techniques |

Python, Machine Learning, Multi Linear Regression

- Developed a machine learning model to predict Safety Index for specific locations.
- Achieved an accuracy rate of 90%, resulting in improved safety assessment capabilities.

Stimulating RPL Attacks In 6lowpan And Detection Through Deep Learning Approach |

Python, Machine Learning-CNN, Contiki OS- Cooja Simulator

- Designed and simulated routing protocol attacks in 6LOWPAN using Contiki OS and Cooja Simulator.
- Implemented a deep learning approach for attack detection, reducing false positives by 30%.

E-commerce website Development using Mern Stack | Individual Project

Reactjs, Mongodb, Express js, Node js, VS code, Git

- Independently led the development of a feature-rich e-commerce platform from concept to deployment.
- Leveraged YouTube tutorials and references to acquire necessary skills and knowledge for project implementation.
- Enhanced user experience and achieved a 20% increase in conversion rates through responsive design and performance optimizations.

TECHNICAL SKILLS

- **Languages:** Python, C, Java, Html, Css, Javascript, Reactjs, Express, Nodejs
- **Concepts:** Computer Networks, Data Structures, ML Libraries, OOPS
- **Databases:** Mysql, MongoDB
- **Tools:** VsCode, Wireshark, GitHub, VM Virtual Box, Insomnia.

ACHIEVEMENTS

- **Red Giant:** Recognized for outstanding performance and innovation.
- **Ace of Sale:** Acknowledged for achieving sales targets and driving business growth.
- **CIT Cricket Team Captain:** Led the team to the semifinals in TNCA-2k23 tournament.

CERTIFICATION

Full(MERN) Stack Web Development - *Yellow Summer, Coimbatore*

Html, Css, Javascript, Reactjs, Nodejs, Express, MongoDB

2023