


NANDHITHAA SK

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 [HackerRank](#)

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EDUCATION

KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY

MAY 2024

Bachelor of Engineering in Computer Science (CGPA - 8.15)

Coimbatore, Tamil Nadu

- **COURSE WORK :** Software Engineering, Computer Architecture and Microprocessors, Operating System, Software Testing, Software Quality Assurance, Cryptography and Network Security.

EXPERIENCE

TWIRL TACT TECHNOLOGY PRIVATES LIMITED

JUNE - JULY [2023]

Intern

Coimbatore, Tamil Nadu

- Implemented IoT sensor networks, resolved connectivity challenges, and gained hands-on experience with multiple sensors.
- The enhancement of technical skills and comprehension of IoT applications has led to a 20% boost in system efficiency.

VERSADU

MAY - CURRENT [2024]

Intern

Coimbatore, Tamil Nadu

- Enhanced e-commerce application functionality by integrating user feedback into development and executing multiple tests to ensure seamless UX.
- Improved user retention rates by 40% and reduced bug reports by 60%.
- Analyzed user feedback reviews to implement improvements, aligning technical solutions, and boosting app ratings by 25%.

SKILLS

- **LANGUAGES** - HTML, CSS, SQL, Java, Arduino
- **TOOLS** - Photoshop, Figma, Autocad, Sketch up
- **CONCEPT** - Cloud Computing, Artificial Intelligence, Operating System, DBMS, OOPS, IOT

PROJECTS

AUTOMATIC SEED SOWING ROBOT

- Implemented sensor and microcontroller systems in agricultural processes like leveling, seeding, and plowing; enhanced productivity by 60%, reducing manual labor by 40%
- Promotes sustainable farming techniques
- Ensure consistent seed distribution and boosted crop yield by 25%

PORTABLE SECURITY ALARM

- Designed and developed a portable alarm system using a PIR motion sensor and an Arduino UNO, featuring a loud beep.
- It has simplified circuitry for easy diagnosis and is comparable to market alternatives, enhancing security efficiency by 30%.

WOMEN SAFETY APP

- It has user-friendly interface and enhances personal security by offering safety tips, sending alert messages to registered contacts, and locating nearby police stations.

ENHANCING CRIME INVESTIGATION WITH AI : IMAGE PROCESSING FOR LIE DETECTION

- Implemented heart rate monitoring through ECG signal analysis to assess confession truthfulness; achieved a 40% increase in accurate evaluations and a 20% decrease in investigation time.
- Achieved a 45% increase in investigative reliability by incorporating advanced facial expression analysis, physiological signals, myocardial infarction detection, and eye movement tracking into the investigative system

CERTIFICATIONS

- **GREAT LEARNING :** Java, My SQL Basic, Arduino vs Raspberry Pi, UI /UX for Beginners
- **LINKEDIN :** Learning Arduino Foundation
- **L & T EDUTECH :** Applied Industrial IOT