





Shivam Kumar

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Electrical and Electronics
Engineering
B.Tech

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EDUCATION

- | | |
|---|------------------|
| • National Institute of Technology Andhra Pradesh | <i>3rd</i> |
| <i>B.Tech</i> | CGPA: 7.45 |
| • R.K.G.A.V.I.C.DILDARNAGAR GHAZIPUR | <i>2020</i> |
| <i>Board of High School and Intermediate Education U.P.</i> | Percentage: 79.6 |
| • R K HIGH SCHOOL TEARA BUXAR | <i>2018</i> |
| <i>BIHAR SCHOOL EXAMINATION BOARD,PATNA</i> | Percentage: 75.8 |

PERSONAL PROJECTS

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| • Heart Pace Sensing using esp32 | <i>Event dates</i> |
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- Tools technologies used: ESP32 with MAX30100 Pulse sensor,ESP32 with NEO-6M GPS Sensor
- The developed IoT-based emergency response system effectively detects abnormal changes in pulse rate and promptly sends the user's location to predefined contacts.- Integration of ESP32 microcontrollers, MAX30100 pulse oximeter sensors, NEO-6M GPS sensors, and Twilio's service demonstrates the feasibility and effectiveness of the proposed solution.- The system holds great potential for enhancing emergency response capabilities and improving user safety in critical situations.- Further refinement and scalability of the system could lead to widespread adoption and deployment in various emergency response scenarios, ultimately contributing to saving lives and ensuring rapid assistance delivery

TECHNICAL SKILLS AND INTERESTS

Languages: Python, C, C++, Java(Object Oriented Programming)

Developer Tools: html,css,javascript

Frameworks: React, Angular, Vue.js, Svelte, Bootstrap, Tailwind CSS,Foundation,Node.js/Express,Django (Python),Flask (Python),**Ruby on Rails**

Cloud/Databases: microsoft SQL

Soft Skills: Communication,Collaboration and Teamwork,Problem-Solving,Time Management,Leadership

Coursework: Data Structure and Algorithm, MATLAB, System Design with verilog, Signal and System ,Control System,

Areas of Interest: Machine Learning and Artificial Intelligence, Web Development,Algorithm Optimization, Competitive Programming,Software Architecture and Design Patterns

ACHIEVEMENTS

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|---|-------------------|
| – Mathematics & Data Structures and Algorithms Achieved Excellent/A Grade | <i>Event Year</i> |
| – Self-Taught Programming Languages Proficient in C++ and Java through self-study | <i>Event Year</i> |
| – Advanced Algorithms in DSA Independently learned and implemented advanced algorithms | <i>Event Year</i> |