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## Rakshna K B

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### Objective

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As a recent graduate, I am seeking an opportunity where I can make the best of my potential and contribute to the organization's growth.

### Educational Qualifications

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- **Dr.N.G.P. Institute of Technology**  
B.E / Biomedical engineering 2019-2023  
8.68 CGPA
- **Saratha Matric Higher Secondary School**  
HSC / Bio-maths 2018-2019  
86%
- **Saratha Matric Higher Secondary School**  
SSLC 2016-2017  
98%

### Interests

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- Web designing and development
- MERN Stack
- Front end development

### Course

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- Completed a certified course on Full Stack Web Development (MERN stack) in 2024.

### Technical Skills

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- Front end - HTML, CSS ( Bootstrap), SASS, Javascript, React.js
- Backend - Node JS, Express JS ,Rest API
- Database - MongoDB,Mongoose ODM library
- Basics of C, Java

### Soft Skills

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- Analytical and Problem solving skills
- Professional speaking abilities
- Willingness to learn new things

### Projects

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- **Online Food Order Website**  
Developed a MERN stack online food ordering website with HTML, CSS, and Bootstrap for easy browsing and ordering, with secure payment integration for user convenience.
- **IoT based early detection of stroke using Machine Learning techniques**  
The proposed system incorporates sensors to evaluate the vital parameters like heart rate, SpO2, temperature rate and acetone level (for diabetes). The sensor detected value is then sent to machine learning technique for early detection of stroke and the final result will be intimated to the person through web application.
- **Contactless Saline level Monitoring and Alert system**  
The proposed system is used to prevents the backflow of blood into the saline bottle and it helps the nurse to monitor the patients from the nurse station by receiving alert mails using WIFI module.

### Publications

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- **Pre- Stroke Detection using K- Nearest Neighbour and Random Forest Algorithm**  
IEEE XPLORE  
K. B. Rakshna, P. Tamil Selvan, S. Varshini and J. Chitra, "Pre- Stroke Detection using K- Nearest Neighbour and Random Forest Algorithm," 2023 2nd International Conference on Applied Artificial Intelligence and Computing (ICAAIC), Salem, India, 2023, pp. 897-902, doi: 10.1109/ICAAIC56838.2023.10140476.

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### **Internships**

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- Completed a one month web development internship offered by CODEBOOSTERS.

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### **Certifications**

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- Presented a paper titled PRE- STROK DETECTION USING K-NEAREST NEIGHBOUR AND RANDOM FOREST ALGORITHM conducted by ICAAIC conference at Narasu's Sarathy Institute of Technology
- Presented a paper titled CONTACTLESS SALINE LEVEL MONITORING AND ALERT SYSTEM at Dr.N.G.P.Institute of Technology in INSA sponsored national level conference in 2022
- Completed COURSERA in PROGRAMMING FOR EVERYBODY authorized by UNIVERSITY OF MICHIGAN in 2022.

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### **Achievements & Awards**

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- Won the meritorious certificate for successfully scoring high marks in both 10th and 12th (2017-2019)
- Won 2nd prize in pencil sketching conducted by Dr.N.G.P. Institute of Technology.

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### **Declaration**

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- I, Rakshna K B, hereby declare that the above given information is true and correct to the best of my knowledge.