



Spoorthi R Hegde

Roll No.: 4SF22CI098

B.E. in CSE (AIML)

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LinkedIn Profile

GitHub Profile

EDUCATION

- Sahyadri College of Engineering and Management** 2026
B.E. - CSE(AIML) CGPA: 9.83
- Sharada PU College** 2022
Department of Pre-University Education, Karnataka Percentage: 95.86%
- St Marys High School** 2020
Karnataka School Examination and Assessment Board, Karnataka Percentage: 99.36%

PROJECTS

Hybrid System For Predicting Mastitis And FMD in Dairy Cows *Developed a predictive system leveraging textual symptom data and image inputs (udder, mouth, and foot) for accurate detection of Mastitis and FMD.*

- Technologies:** Python, HTML, CSS, JavaScript
- Considered features such as udder temperature, milk color, yield reduction, and mouth ulcers; applied ML classifiers (SVM, Random Forest, Gradient Boosting) in combination with a MobileNetV2 CNN using ensemble voting to enhance accuracy, minimize false predictions, and ensure robust performance across diverse input types.

Human Resource Management System *Developed a web-based HR solution to streamline core operations and reduce manual inefficiencies.*

- Technologies:** ReactJS, Node.js, MySQL Workbench
- Designed and implemented a comprehensive system that automates employee data management, payroll, leave tracking, attendance monitoring, and departmental coordination through an integrated interface, enabling real-time updates and improving accuracy and efficiency.

Diabetes Prediction System *Designed and implemented a machine learning-based application to assess diabetes risk using health metrics such as glucose levels, BMI, blood pressure, and age.*

- Technologies:** Python, Scikit-learn, Pandas, NumPy, Matplotlib, Flask
- Integrated multiple classification models—SVM, Random Forest, and Logistic Regression—enhanced through hyperparameter optimization to ensure reliable performance in clinical decision support. Enabled early-stage diabetes risk identification, strengthening preventive healthcare strategies and supporting clinical decision-making.

TECHNICAL SKILLS AND INTERESTS

Languages: C, Java, Python, JavaScript, SQL, HTML & CSS

Developer Tools: Github, VS Code, Jupyter Notebook

Design & Modeling Tools: Blender, SolidWorks

Frameworks: React.js, Node.js

Databases: MySQL, MongoDB

Soft Skills: Leadership, Communication, Problem-Solving, Time Management, Adaptability

Areas of Interest: Data Structures & Algorithms, Machine Learning, Deep Learning, Computer Networks

CERTIFICATIONS

- Deloitte Australia's Data Analytics job simulation** by Forage
- Database Management Systems** by Infosys Springboard
- Natural Language Processing** by Infosys Springboard

ACHIEVEMENTS

- TechVision** Showcased Major Project and ERP-based HRMS solution, receiving positive feedback for practical application and innovation.
- Hackharbour** Mentored and guided second-year students through two weeks of hands-on training in C programming and Data Structures.