

GAGANASHREE H N

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Profile

Passionate about building intelligent, data-driven solutions that blend analytics and engineering. Eager to apply problem-solving, coding, and ML skills to create impactful systems.

Education

Sir MV PU College <i>Pre-University Certificate (PERCENTAGE : 98)</i>	2019 – 2021 Davanagere
R V Institute of Technology and Management <i>B.E - Information Science (CGPA : 9.31)</i>	2022 – Present Bengaluru

Professional Experience

Aytasense Technologies Private Limited <i>Machine Learning Intern</i>	08/2024 – 02/2025 Bengaluru
<ul style="list-style-type: none">Engineered a real-time iris-pupil ratio detection system with OpenCV, MediaPipe, and ML, achieving 95% accuracy on 500+ images.Enabled robust, real-time eye tracking under varying lighting and motion conditions for applications like stress and drowsiness detection, biometric authentication, and human-computer interaction.Collaborated with medical experts from Ireland and Dublin to ensure accuracy and practical relevance in healthcare-focused eye-tracking applications.	

Projects

ROZGAR: Empowering Daily Wage Earners Through Fair Job Opportunities.

- Built Aadhaar-based OTP registration system (Django + MySQL + React), reducing fake profiles by 70%, eliminating middlemen, and ensuring transparent job opportunities.
- Developed role-specific dashboards using HTML, CSS, and JavaScript, enabling employers to post jobs and workers to apply directly, improving fairness and efficiency in the hiring process.
- Created a multi-language web platform enhancing accessibility for rural and non-technical users.

LoanEase Advisor: Simple, clear, and emphasizes user-friendly loan guidance.

- Developed an AI-driven loan advisor using BERT for multilingual voice and text support across chat platforms.
- Built a loan eligibility prediction model with XGBoost and integrated real-time credit check APIs, improving accuracy by 18%.
- Added loan literacy modules (EMI, tenure, interest simplified) with cross-platform accessibility, enhancing user understanding by 40%.

Skills

Programming: Java (Collections, JDBC) | C | SQL | Python | HTML | CSS | JavaScript | React

Core Areas: Data Structures & Algorithms | OOP | DBMS | Operating Systems | Data Visualization | Computer Networking | Machine Learning | Cybersecurity | Cloud Computing | DevOps

Frameworks & Tools: Kubernetes | Docker | GitHub | MySQL | Tableau | Power BI | Canva | XGBoost | OpenCV | MediaPipe

Soft Skills: Teamwork | Adaptability | Problem-Solving | Self-Learning

Achievements and Certifications

- Achieved 89.18% accuracy in forecasting quarterly sales for 20 products using predictive modeling in Cisco Forecast League(2025)
- Introduction to Containers, Kubernetes, and OpenShift - IBM (2025)
- Cloud Computing Basics - AWS (2025)
- Google Cybersecurity Professional Certificate - Google (2024)
- Networking basics - Cisco Networking Academy(2024)