

GAGANASHREE H N

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Profile

To deploy my knowledge and grow my skills while being among a vibrant team. I want to gain experience and learn all I can to become a valuable resource for the company.

Education

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

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 achieving 92% accuracy vs. manual measurements across 100+ images.Enabled robust, precise eye tracking under varying lighting and motion conditions for reliable real-time applications.	

Projects

ROZGAR: Empowering Daily Wage Earners Through Fair Job Opportunities.

- Developed Aadhaar-based registration with OTP authentication, reducing fake profiles by 70%.
- Implemented role-specific dashboards using React.js for efficient job matching and application management.
- Integrated Skill India vocational training with multi-language support and mobile-first design for rural accessibility.

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

- Built a loan advisor using BERT for multilingual voice and text support on chat platforms.
- Designed a loan prediction model with XGBoost and integrated real-time credit checks using banking APIs.
- Improved financial access through literacy features and cross-platform support.

SpamSense: Hybrid Email Spam Detection using Machine Learning and NLP

- Created a hybrid spam detection system combining ML models and rule-based filtering, achieving up to 97% accuracy.
- Applied NLP preprocessing (Scikit-learn, TF-IDF) to enhance text classification, boosting precision and reliability.

Skills

Programming: Java(OOP, Collections, JDBC), C, SQL(Joins, Aggregations, Subqueries), Python, HTML, CSS, JavaScript.

Core CS: DSA, OOP, DBMS, Operating Systems, Data Visualization, Computer Networking, Machine learning, Cybersecurity, Cloud Computing, DevOps

Frameworks/Tools: Kubernetes, Docker (Containers), GitHub, MySQL, Tableau, Power BI, Canva, XGBoost, OpenCV

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)