

# GAGANASHREE H N

 gaganashreehn2003@gmail.com

 +918073964838

 Bengaluru

 <https://www.linkedin.com/in/gaganashree-h-n-4226b426b/>  [github.com/gaganashri](https://github.com/gaganashri)

## 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

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

## Professional Experience

<b>Aytasense Technologies Private Limited</b> <i>Machine Learning Intern</i>	08/2024 – 02/2025 Bengaluru
<ul style="list-style-type: none"><li>Engineered a real-time iris-pupil ratio detection system with OpenCV, MediaPipe, and ML, achieving 95% accuracy on 500+ images.</li><li>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.</li><li>Collaborated with medical experts from Ireland and Dublin to ensure accuracy and practical relevance in healthcare-focused eye-tracking applications.</li></ul>	

## 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)