

# Gagan K S

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## EDUCATION

Malnad College of Engineering, Hassan

2022-2026

Bachelor of Engineering, Computer Science – 9.4 CGPA (Till 6<sup>th</sup> semester)

## PROFESSIONAL EXPERIENCE

AI Intern – **EDUNET FOUNDATION** (Remote)

Bengaluru | Feb – March 2025

- Developed an **AI-powered Resume Screening & Ranking System** using Python, Scikit-learn, SpaCy, and NLTK, reducing recruiter screening time by ~60%.
- Implemented semantic similarity and keyword extraction pipelines for **NLP-driven candidate-job matching**.
- Built an interactive **Streamlit-based UI** to visualize candidate match scores in real-time.
- Applied **Agile sprint methodology** for rapid prototyping and iterative improvements.

Intern – Indian Space Research Organisation (ISRO)

Bengaluru | Aug – Sep 2025

- Built a **BigQuery-based web analytics pipeline** to parse and structure **Cloudflare edge logs** for deriving user, session, and page-level insights on the ISRO public portal.
- Implemented a **sessionization model** using a 30-minute inactivity rule to compute **session duration, navigation flow, and time-on-page** metrics. Created **interactive dashboards in Looker Studio**, enabling privacy-preserving, real-time monitoring of **regional traffic, engagement trends, and performance analytics**.

Core Team Member | *AICTE Ideal Lab* | (2023 – 2025)

- Led development of **AI-driven prototypes and end-user applications**, mentoring 40+ junior students in AI, automation.
- Improved project workflows by implementing **modern full-stack development practices** (React.js, MongoDB, GitHub).
- Promoted **collaborative coding standards** that enhanced productivity and code quality.

## TECHNICAL PROJECTS

PromptGenAI — Adaptive Prompt Optimization (In Progress) (*RL, NLP, LLMs*)

- Designing a **reinforcement learning-driven prompt optimization system** with GPT, T5, and LLaMA.
- Implementing **Meta-Prompt Learning** and **Zero-Shot Adversarial Defense** to improve LLM outputs dynamically.
- Deploying models with **LoRA/PEFT fine-tuning** for domain-specific adaptability.

AI Resume Screening & Ranking System | *Streamlit • Python (Scikit-learn, SpaCy, NLTK)*

- Automated **resume-to-job description matching** using cosine similarity & embeddings.
- Designed a recruiter-friendly **dashboard with upload & scoring features**, improving hiring efficiency.

Virtual Green House - 3D E-commerce Platform | *React.js • MongoDB • Three.js*

- Developed an **immersive plant-shopping portal** with interactive 3D tours.
- Integrated **real-time MongoDB backend** for orders and inventory.

Sahajanya Banking Website | *HTML5 • CSS3 • JavaScript • Bootstrap 5*

- Developed a responsive banking portal with multilingual support (English & Kannada).
- Added secure document upload and **interactive calculators** (EMI/FD), enhancing customer engagement.

## TECHNICAL SKILLS

- Languages:** Python, C++, Java, JavaScript, HTML/CSS
- AI/ML & Data:** Scikit-learn, SpaCy, NLTK, Pandas, NumPy, Matplotlib, Transformers (BERT, T5), embeddings, OpenCV, Hugging Face
- Web & DB:** React.js, MongoDB, Node.js (Basic), Bootstrap
- Core Concepts:** Data Structures & Algorithms, OOP, SDLC, Agile, Git/GitHub

## AWARDS & CERTIFICATIONS

- Reliance Foundation Undergraduate Scholar** | 2023 – Present
- Gold Medalist (2020)** | *Prajavani Quiz 2020, Hassan Zone*
- Bronze Medalist (2018)** | *District Level Swaach Quiz 2018*
- NPTEL Certified | Python for Data Science** | 2025
- Artificial Intelligence Fundamentals | IBM SkillsBuild** | 2025