

# Komal Hiremath

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## PROFESSIONAL SUMMARY

Software Engineer with skills in **Python**, **C++**, **Linux**, and **REST API** development. Experienced in **cloud deployments** on **GCP**, **backend integration**, and **virtualization concepts**. Enhancing Skills in **Kubernetes**, **Docker**, and **OpenStack**, with ongoing learning in **CI/CD pipelines** and **DevOps** environments.

## EDUCATION

**S. G. Balekundri Institute of Technology, Belagavi, KA**

*Bachelor of Engineering in Computer Science*

Dec 2021 – May 2025

*CGPA: 8.24*

## TECHNICAL SKILLS

**Languages:** Python, C++

**Web Technologies:** HTML5, Tailwind CSS, JavaScript, ReactJS, REST APIs

**Databases:** MySQL

**Tools & Platforms:** Git, Linux

**Cloud:** Google Cloud Platform (Vertex AI)

**Practices:** Agile, Git/GitHub, SDLC Documentation

## PROFESSIONAL EXPERIENCE

**AI/ML Intern**

Jun 2025 – Jul 2025

*Edunet Foundation - IBM SkillsBuild (Remote)*

- Engineered and optimized backend **AI solutions** in **IBM Watson Studio**, using **AutoAI** and **Jupyter Notebooks**, integrating **data preprocessing**, **model training** and **performance evaluation**.
- Applied **NLP** for text classification and chatbot design; explored **CNN** and **GAN** in image analysis and generation.
- Optimized **LLM** outputs through prompt engineering, improving domain-specific accuracy by **25%**.
- Earned an **IBM AI certification**, highlighting skills in deep learning, model evaluation, and AI ethics, for end-to-end AI solution expertise.

**Autonomous Navigation Intern**

Nov 2024 – May 2025

*Humanoid.AI Lab, IIIT Dharwad*

*Dharwad, KA*

- Created **10+ modular ROS2 nodes** and accelerated system performance by **40%** with Colcon.
- The system was extensively tested on multiple **data structures** and **algorithms**, integrating **A\*** as the most efficient for **path planning**.
- Reduced SLAM system latency by **0.8s (35%)** using ROS2 optimization in Gazebo simulations on **Linux**.
- Increased mapping accuracy by **30%** through real-time object detection integration in the navigation stack.
- Led full SDLC for **5+ modules**, including version control, testing, and deployment.

**Full Stack Developer Intern**

Dec 2022 – Feb 2023

*Acmegrade*

*Bangalore, KA*

- Structured **modular**, reusable **UI** components to boost **scalability** and reduce **code redundancy**.
- Implemented over **5** responsive, cross-device e-commerce pages using **HTML**, **CSS**, and **JavaScript**.
- Integrated **REST APIs** to render interactive data and support user actions, reducing manual handling by **40%**.
- Used **Git** for version control and **collaboration** on cross-functional team projects.

## TECHNICAL PROJECTS

**Placement Launchpad with Data Analytics**

- Designed **3** role-based dashboards (TPOs, Companies, Students) for real-time tracking of **150+** candidate registrations, applications, and placement status.
- Integrated a **Google Chart** dashboard to visualize student profiles, automate rankings, and feedback, eliminating **80%** manual screening.

- Implemented eligibility filters and **automated email workflows**, delivering precise alerts for **+5** branch-wise.

### Multi-Tenant SaaS Platform

- Built multi-domain scalable **SaaS platform** combining e-commerce, dining, pharmacy, and grocery services.
- Streamlined 10+ reusable **React components** and **RESTful APIs** with **MySQL** for backend data handling, enabling seamless **multi-service integration**.
- Achieved a top **5** position in a tech competition by delivering a complete **full-stack solution**.

### ACHIEVEMENTS

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- **Top 6** in Hack2Future 32-Hour Hackathon – IIIT Dharwad.
- **Top 70** in i.mobilothon 4.0 – Volkswagen Group (Unstop).

### CERTIFICATIONS

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- Prompt Design in Vertex AI – **Google**
- Completed the **12-week McKinsey Forward Program** by McKinsey & Company, building skills in **analytical and strategic thinking, effective communication, resilience, and digital fluency**.
- Software Engineering Job Simulation – **Goldman Sachs**
- Wave 2.0 National Level Hackathon – **BEC Bagalkot**
- Flipkart GriD 6.0 Software Development Track – **Flipkart**
- Google DEVFEST 2022 – **Google Developers Group**