

# Suraj Singh Bayas

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## SUMMARY

AI/ML engineer with experience building intelligent applications using Python, LLMs, RAG pipelines, FastAPI, and modern ML frameworks. Skilled in agentic workflows, prompt engineering, scalable backend systems, and end-to-end AI product development.

## EDUCATION

<b>N K Orchid College of Engineering &amp; Technology.</b>	2023 - 2027
Bachelor of Technology in Artificial Intelligence & Data Science   CGPA (V SEM): 8.8	
<b>Sangameshwar Junior College</b>	2021 - 2023
12 <sup>th</sup> HSC   70%	
<b>Saint Thomas English Medium School</b>	2021
10th ICSE   91.8%	

## WORK EXPERIENCE

**Indian Institute of Technology Ropar Summer Internship** May 2026 – Present

Summer Research Intern Remote

Contributing to open-source AI software projects solving real-world engineering problems. Working on practical AI systems, scalable software development, and research-driven technical problem solving within a live development environment.

**Minutes Computing Private Limited** May 2025 – Present

AI Intern Remote

Worked on AI/ML experimentation with LLMs, prompt engineering, and AI prototype development using Python and HuggingFace. Built AI-driven workflows for analytics, RCA experimentation, and intelligent data interpretation.

## Projects

**Tracelify — AI-Powered Observability & Error Tracking System** [Github](#)

Built a multi-tenant observability platform for intelligent error tracking and RCA workflows. Tech Stack: FastAPI, React, PostgreSQL, Redis, Docker, JWT, Python, LLMs. Developed scalable ingestion pipelines, real-time dashboards, and LLM-assisted debugging workflows.

**JustBuildIt — AI-First Engineering Operating System** [Github](#)

Built an AI-powered engineering workflow platform for task generation and developer collaboration. Tech Stack: Python, LLMs, React, TypeScript, FastAPI, PostgreSQL, Docker, GitHub API, LLMs. Implemented AI-driven task planning, GitHub integrations, and scalable backend workflows.

## SKILLS

**Languages:** Python, Java, C++, JavaScript, SQL

**Developer Tools & Cloud/Databases:** Git, GitHub, Docker, PostgreSQL, Firebase, AWS

**Frameworks & Libraries:** FastAPI, React, Node.js, Tailwind CSS, PyTorch, TensorFlow, scikit-learn, HuggingFace

**AI/ML & GenAI:** LLMs, RAG, Prompt Engineering, Agentic AI Workflows, OpenCV

**Soft Skills:** Problem Solving, Team Collaboration, Communication, Leadership, Adaptability

## Achievements

₹1,00,000 funding secured from Dassault Systèmes Foundation for an AI-powered healthcare assistant system.

1st Prize winner at Hack to Future 3.0, KLS GIT Belagavi, for an AI-driven cybersecurity solution.

1st Runner-Up at Orchathon National Level Hackathon for an AI-driven DevOps solution.

Top 10 rank in a 36-hour National Level Hackathon for developing an AI-driven legal advisor solution.