

## CAREER OBJECTIVE

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Results-driven BTech student with strong expertise in backend development and AI/ML solutions. Experienced in building robust web applications, managing databases, and deploying scalable APIs integrated with AI models for automation, prediction, and analytics. Proficient in Python, Django, and modern ML frameworks, with proven success in delivering impactful projects through internships, client work, and national-level hackathons.

## EDUCATION

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**KGISL Institute of Technology**, Coimbatore, Tamil Nadu

Bachelor of Technology in Artificial Intelligence and Data Science

2022 - 2026 | CGPA: 8.2

## SKILLS

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**Languages:** Java, Python, C, JavaScript, HTML, CSS

**Frameworks & Libraries:** Django, Flask, FastAPI, Streamlit, Express, TensorFlow, PyTorch, LangChain, MediaPipe, YOLO

**Databases:** PostgreSQL, MySQL, MongoDB.

**Tools & APIs:** GitHub, GitHub Copilot, Gemini API, VS Code, Jupyter Notebook, Google Colab.

## PROJECTS

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- **Website for Incubation Center:** Developed a CRM and project management tool using Django for student-mentor collaboration.
- **Hackathon Management Website:** Designed a Django-based platform for team registration, idea submission, review, and abstract submission to streamline hackathon management.
- **Ergonomics Analysis App:** Developed a Flask app using Media Pipe to analyze employee posture and generate a risk meter report for workplace ergonomics assessment.
- **CCTV Video Analysis Model:** Developed a model using YOLO for real-time object detection and text summarization for crime detection during a Gen AI hackathon.
- **Customer Knowledge Management Tool for Banks:** Built a decision tree-based system with ML integration to predict customer needs and recommend banking products.
- **Agri-Trade Platform (Client Project):** Built a Django web app for buying and selling rice, paddy, and pesticides with three-role login support for a consultancy client.
- **Voice Command Automation Tool:** Created a Python-based desktop automation tool to perform basic laptop operations (open applications, search the web, manage files) using speech recognition and voice commands, integrated with Gemini API for advanced intent recognition and command processing.

## INTERNSHIPS & FREELANCING

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- KGX Innovation Cell – Backend Developer (Django) - August 2024
- Pinesphere Solutions – FullStack Developer - March 2025
- Sociopotents – Backend Developer Intern (Django) - May 2025

## LEADERSHIP & COMMUNITY INVOLVEMENT

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**Member & Backend Developer – IPS Tech Community, Kgisl Institute of Technology.**

Contributed to technical event organization and developed backend systems for managing community activities and inhouse projects.

## CONFERENCES AND HACKATHONS

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- **PyCon India 2023**, Hyderabad - National level conference.
- **AZConf**, Chennai - Conference.
- **Gen AI Hackathon**, SNS Institution of Technology.
- **Smart India Hackathon 2023** Grand Finale - National level hackathon.