

# Aiswariya S

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## CAREER OBJECTIVE

Motivated and innovative Computer Science student specializing in Artificial Intelligence, with hands-on experience in building AI-powered solutions and strong foundations in machine learning, data analysis, and deep learning. Eager to contribute technical expertise to challenging AI engineering projects and drive impactful solutions.

## EDUCATION

### Bachelor of Engineering in Computer Science and Engineering

KGISL Institute of Technology | 2021 - 2025  
CGPA: 8.24

### Higher Secondary Certificate (HSC)

Jaycee Higher Secondary School | 2020  
Percentage: 93.93%

### Secondary School Leaving Certificate (SSLC)

Jaycee Higher Secondary School | 2019  
Percentage: 91.8%

## INTERNSHIP

### KG Innovation Lab

Intern Innovation Engineer | Jan 2025 - Present

- Conducted research and development on AI-driven solutions, focusing on computer vision, NLP, and optimization techniques.
- Mentored students on AI concepts, guiding them through research projects and hands-on implementations.

### Exposys Data Labs

Web developer intern | June 2023 - July 2023

- Designed responsive websites with a keen eye for detail, ensuring seamless user experiences across various devices using HTML, CSS, JavaScript, and Bootstrap.
- Utilized Git for version control, demonstrating strong organizational skills.

## CERTIFICATES

### Machine Learning to Generative AI

Certified by TNSDC | March 27, 2024

### Artificial Intelligence in Practice

Certified by IBM SkillsBuild

### Network Essentials & Introduction to Packet Tracer

Certified by Cisco

### DevOps on AWS: Code, Build, and Test

Certified by AWS

## PROJECTS

### Classroom Monitoring System

Role: Team Leader

- Led the development of a machine learning pipeline to analyze classroom engagement levels using DL algorithms for facial expression recognition and pose tracking.
- Deployed the system using Python, FastAPI, and integrated visualization tools for actionable insights.

### AI Chart Captioning System

Role: Team Leader

- Built a web app with Streamlit and FastAPI for chart analysis and caption generation.
- Utilized VGG19 for chart type detection with 85% accuracy on a dataset of 21,000+ charts.
- Integrated Google's Gemini API to generate contextual captions.

### Fake Account Detector

Role: Backend Developer

- Developed a machine learning-based fake account detector using machine learning libraries such as TensorFlow and scikit-learn.
- Deployed the model using Django

## SKILLS

### Technical Skills

- Programming Languages:** Python, C
- Databases:** MySQL, MongoDB
- Deep Learning:** Neural Networks, CNNs
- Data Analysis:** Matplotlib, Seaborn
- Tools:** Git, FastAPI, Django, Flask, MySQL

### Soft Skills

Problem Solving, Critical Thinking, Organizational Skills, Leadership

### Languages

English, Tamil, Malayalam (Conversational)

## ACHIEVEMENTS

- Selected and participated as Team Leader in the prestigious Smart India Hackathon 2024 Grand Finale held at NIT Srinagar.
- Classroom Monitoring System was recognized by NEC Japan and presented at conferences in Bangalore and Chennai.
- Recipient of the Special Achiever Award for outstanding contributions during the 2024-2025 academic year.