

Aarya Patel

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SUMMARY

Aspiring Software Engineer passionate about leveraging technology to drive innovation and create meaningful impact. I thrive on tackling complex challenges and driving positive change. I'm deeply committed to continuous learning and personal growth.

EDUCATION

Keshav Memorial Institute Of Technology

Bachelor of Technology in Information Technology (IT), CGPA: 8.4

Hyderabad, India

Nov. 2022 – Present

Keshav Smarak Junior College

Mathematics, Physics and Chemistry, CGPA: 9.1

Hyderabad, India

May. 2020 – April 2022

PROJECTS

Text/Video Summarizer / Streamlit – Open Source Python Library, Pytorch

April 2025 – May 2025

- **Description:** To create a Smart Summarization Tool that takes documents, blog/video links, as input and automatically generates topic-wise summaries for quick understanding and reference.
- **Libraries/Tools used:** OpenAI API, YouTube Transcript API, Hugging Face – Pre Trained Transformers and Datasets.
- **Features:**
 - Supports input from various sources like PDFs, video links.
 - Generates immediate summaries on submission.
 - Useful for generating notes, extracting interview/documentary highlights, and exam preparation.

Smart basketball Scoreboard / HTML, CSS, JS, Python

September 2023 – February 2024

- Engineered a smart scoreboard system using E18-D80NK IR proximity sensors, developed a Prototype model to detect dunks and automatically update scores in real-time.
- Integrated YD-LiDAR (OS-30A) for depth sensing and point cloud analysis to distinguish 2-point and 3-point shots based on ball position.
- Trained a custom YOLO-based object detection model using top and side drone footage to track player and ball movement for enhanced scoring accuracy.

TECHNICAL SKILLS

Languages: Java, Python, HTML5, CSS3, JavaScript

Frameworks: React, Node.js, Express.js, Bootstrap

Databases: MySQL, MongoDB

Technologies and Cloud: DevOps, SDLC, Docker, Jenkins, Kubernetes, Git - version Control.

CERTIFICATIONS

Google Cloud Innovator: Chat Bot Integration with DialogFlow.

Smart Basketball Scoreboard in IOT/Robotics

Career Essentials in Generative AI by Microsoft and LinkedIn

Introduction to Artificial Intelligence - AI

AWARDS/ACHIEVEMENTS

Bachelor Of Arts - BA in Tabla from ABGM, Mumbai – February 2020.