

BASIL ELDHO JOSEPH

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EDUCATION

Rajagiri School of Engineering & Technology, Kakkanad-	11/2021-2025
B-Tech in B-Tech in Computer Science & Engineering	Current CGPA : 9.1/10
Jeevas C.M.I Public School, Aluva	06/2019-03/2021
ISC Computer-Maths major	ISE board: 94.2%
Vidyodaya school, Thevakkal	06/2018 -03/2019
Class 10th	CBSE board: 96.8%

PROJECTS

GradeAI - Full Stack Web App [Github Link](#)

Evaluates exam papers using Gemini LLM with extensive use of Python. The backend is built with FastAPI, leveraging Python for RESTful endpoints, ORM, and database migrations with PostgreSQL. The project utilizes semantic analysis to assess answers and grade papers accordingly. The evaluated marks are then returned to students and evaluators.

NewsToReel - React.JS website [Github Link](#)

A responsive application that extensively utilizes Python to generate short videos from news articles using AI. The backend employs Python for OCR, text summarization, classification, and keyword extraction using libraries such as keyBERT, OpenAI Whisper, and gTTS for text-to-speech. Python also powers video generation with MoviePy and integrates Cloudinary for media storage. The frontend is designed with React Icons, and Toasts for a seamless user experience.

SmartCart -Arduino IDE

Smart billing system that integrates RFID technology, GSM communication, and an LCD for real-time interaction. This project aims to enhance the shopping experience by automating billing,, reducing checkout time, and providing a detailed digital receipt via SMS.

SKILLS

Languages Familiar	Python, Java,C
Has experience with	ROS, OpenCV, Android Development, SQL &NoSQL, Web Development, Postman, FastAPI, React, Node js
Others	Minor Degree in Robotics and Automation

ACHIEVEMENTS,CERTIFICATIONS AND EXPERIENCE

Runner-up position in the IEEE Computer Society Kerala Chapter's annual 30-hour hackathon, Slash Key 3.0 conducted at NIT Calicut

NPTEL certification in Industrial Robotics:Theories For Implementation

NPTEL certification in Fundamentals Of Artificial Intelligence

Technical co lead –Hack Club RSET(2022 - present)

Web Development–ACMEGRADE with IIT Bombay