

# PARTHASARATHI K (Immediate Joiner)

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## Professional Summary

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*Results-oriented Data Science graduate with demonstrated experience in Python-based data analysis, visualization, and machine learning fundamentals. Completed a Data Analytics internship at Accent Techno Soft, gaining hands-on expertise in data cleaning, preprocessing, and EDA. Developed innovative projects including an AI-based Handwritten Assignment Evaluator and an assistive smart glove for the visually impaired. Eager to contribute technical skills and a problem-solving mindset to a forward-thinking organization.*

## Education

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*Bachelor of Science in Data Science  
K S Rangasamy College of Arts and Science (Autonomous)  
Thiruchengode, Namakkal, Tamil Nadu.  
CGPA: 7.2 / 10*

**2023 - 2026**

## Technical Skills

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- **Programming Languages:** Python
- **Libraries & Frameworks:** Pandas, NumPy, Matplotlib
- **Developer Tools:** Jupyter Notebook, VS Code
- **Frontend:** HTML, CSS
- **AI & GenAI Tools:** OpenAI(GPT), Google Gemini, Anthropic Claude
- **Hardware & Embedded:** Arduino Nano

## Internship

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### Data Analytics Intern - Accent Techno Soft (ATS), Coimbatore

- Worked with **Python** to perform data analysis and visualization on real-world datasets.
- Utilized libraries such as **Pandas, NumPy, and Matplotlib** for data manipulation, statistical analysis, and visual representation.
- Cleaned and preprocessed raw datasets, handling missing values, duplicates, and inconsistencies to ensure data quality.
- Developed analytical reports and visual dashboards to communicate data findings effectively to stakeholders.
- Generated data-driven recommendations and communicated insights to support team decision-making.

## Projects

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### 1. Smart Glove for Blind People (Arduino Nano, Ultrasonic Sensor)

- Designed and developed a **smart assistive glove** using **Arduino Nano** to aid visually impaired individuals in navigation.
- Integrated **ultrasonic sensors** for obstacle detection and provided **vibration-based feedback** to alert users.
- Improved navigation efficiency and user safety, achieving an estimated **75% increase in productivity** during testing.
- Focused on **low-cost, portable, and user-friendly design** for practical real-world usage.
- Showcased the project at an **intra-college technical event**, receiving positive feedback.

### 2. AI-based Handwritten Assignment Evaluator (Python, OpenCV, Tesseract OCR)

- Built a **web-based application** to automate the evaluation of handwritten assignments.
- Implemented **image processing and OCR techniques** to extract text from uploaded handwritten documents.
- Built features to provide **automated feedback, scoring, and evaluation reports** to improve assessment efficiency.
- Improved accuracy of text recognition by preprocessing images (noise reduction, resizing, enhancement).
- Designed a **simple user interface** for uploading documents and viewing evaluation results.

## Certifications

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- **Cybersecurity Certification** – MSME (via Placemantra).
- **AI For Everyone** – Coursera (DeepLearning.AI).
- **Using Python to Interact with the Operating System** – Coursera (Google).

## Achievements & Extracurricular Activities

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- Won **1st Place** in Inter-College Programming Quiz among 55+ students across Tamil Nadu.
- Won **3rd Place** in PPT Presentation competition.
- Won **3rd Place** in Ball Badminton — Periyar University Match .
- Won **2nd Place** in Badminton — CM Trophy (District Level) .