NANDHINI KARUPPAIYA

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SUMMARY

- Enthusiastic Computer Vision and AI student with hands-on experience in OpenCV, Python, and machine learning. Passionate about solving real-world problems through vision-based systems. Highly motivated and eager to apply theoretical knowledge in a dynamic internship or job role. Committed to learning, contributing to impactful projects, and growing professionally within a forward-thinking organization

EDUCATION

Year	Course	Institute	Marks
2024 – 2027*	B.Tech. Artificial Intelligence & Data Science	K.Ramakrishnan College Of Technology	8.4CGPA
2023	Higher Secondary	Periyar Centenary Memorial Matric Hr.Sec. School	85%
2021	SSLC	Seventh-Day Adventist Matriculation School	100%

PROJECTS

- Designed a **"Smart Water Management System"** as part of an AIPS project, completed on 19th December 2025, to enable real-time water level monitoring through a website-based dashboard with automated alerts for efficient water usage.

- Designed a **"Blood Bank Management System"** as part of a DBMS project, completed on 1st April 2025, to streamline donor and recipient data management.

- Conducted a statistical project entitled **"Testing the Height Difference Between Boys and Girls"** using R, completed on 22nd April 2025, focused on hypothesis testing and data analysis.

- Built a project on **"Face Detection and Recognition in Machine Learning Techniques"** using Python, completed on 8th March 2024, implementing OpenCV and ML algorithms.

- Developed an **"Alumni Management System"** using Java, completed on 11th February 2024, aimed at managing alumni data and communication.

- Completed the project entitled **"Calculate the Typing Speed in Data Structures"** on 10th December 2023, focusing on measuring typing efficiency using fundamental DS concepts.

SKILLS

- Strong knowledge in Python Programming

- Good in Library -OpenCV and Image Detection

- Good knowledge in C Programming

- Skilled in Power BI for data visualization

- Strong knowledge in Excel

- Good Knowledge in SQL

AWARDS & ACHEIVEMENTS

- Winner of JIGYASA Paper Presentation at Anna University for a presentation on Nanotechnology, awarded ₹1,000.

- Secured 1st place in Project Expo and 2nd place in Pitch Deck at IEEE MAS SIGHT Hub Summit (Feb 2025) at Thiagarajar College of Engineering, Madurai, winning ₹10,000.

- Awarded Best Innovator at Presidency College, Chennai, during National Science Day on 28.02.2025, receiving ₹1,500.

- Participated in technical symposiums and workshops at institutions like KNC, SRM IST, and JJ College, enhancing technical expertise and professional network.

- Co-author of the research paper **"Impact of AI Tools on Youngsters' Language Proficiency,"** presented on 28.03.2024 at CONNECT-2024, K. Ramakrishnan College of Technology, Tiruchirappalli.

- Presented a paper on 'Seed Sowing Machine' at the India International Science Festival (IISF) 2024, organized at IIT Guwahati.

- Certificate of Appreciation for participating in TNWISE 2025 Hackathon on Water & Agriculture by TANCAM, Chennai. (March 2025)
- Participated in Smart India Hackathon, contributing innovative tech-based solutions.
- Winner of MSME 4.0, awarded for an innovative and impactful project solution.
- Top 1000 Finalist – College Youth Ideathon 2025, competition held at IIT Delhi.
- Awarded 2nd Prize at the *Youth for Earth Campaign* during the 7th International Conference on Sustainability Education, New Delhi.

CERTIFICATIONS

- Data Science Course – Simplilearn (Master's Track)
- Artificial Intelligence Certificate – Great Learning
- Python 101 for Data Science – IBM (via Cognitive Class)
- AI Learnathon Certification – GUVI, IIT-M Research Park
- Python from Zero to Hero – GUVI
- SQL Fundamentals Certification – GUVI / Simplilearn
- Tableau for Data Visualization – GUVI / Simplilearn
- Power BI Certification – GUVI / Simplilearn
- Capstone Project in Data Science – Simplilearn

PERSONAL QUALITIES

- Highly motivated and eager to learn new things
- Good Communication and Leadership Skills
- Strong in Teamwork and Disciplined with good attitude

PERSONAL PROFILE

Date of Birth	:	01-Dec-2005
Gender	:	Female
Nationality	:	Indian
Father's Name	:	S. Karuppaiya
Known Languages	:	English, Tamil

DECLERATION

I do hereby declare that all the above furnished details are true to the best of my knowledge

(NANDHINI KARUPPAIYA)