

ABINAYA ARUMUGAM

B.Tech Artificial Intelligence and Data Science

Email: abinaya.aids2022@gmail.com

Mobile: 6379076960

LinkedIn: [abinaya-arumugam-187ab325b](#)

GitHub: [abinayaarumugam22](#)

EDUCATION

Year	Degree	Institute	CGPA/%
2022 - 2026	B.Tech	Anna University Regional Campus,Coimbatore	8.5 CGPA
2022	12 th State Board	GGHSS, Sankarapuram	91.5%
2020	10 th State Board	GGHSS, Sankarapuram	93%

TECHNICAL SKILLS

- **Programming:** Python, C
- **Frontend:** HTML, CSS, Bootstrap, Figma
- **Database:** SQL, MongoDB
- **ML/DL Libraries:** TensorFlow, Keras, Scikit-learn, OpenCV, Pandas, NumPy, Matplotlib
- **Tools/Platforms:** GitHub, VS Code, Google Colab
- **Analytics Tools:** Power BI, Microsoft Excel

PROJECTS

- **DeepFake Detection** – Developed a CNN-based system to detect deepfake images/videos using Python and OpenCV.
- **Water Level Monitoring System** – Designed an IoT-based system for real-time water level monitoring.
- **RFID-based Bus Ticketing System** – Developed an RFID-based Bus Ticketing System for automated fare collection and real-time passenger tracking.
- **Android Application for Keeping Up Latest Headlines** – Built a real-time news app using Jetpack Compose, Retrofit, and Coil.
- **Braille Converter** – Created a Python-based Braille converter that transforms documents into Braille text and audio using OCR and TTS technologies.

INTERNSHIP

- **Full-Stack Development Intern, Ultrafly Solution Pvt Ltd** – Developed and optimized web applications, integrating backend APIs and improving database performance.
- **Data Analytics Intern (Virtual), Deloitte (Forage)** – Gained hands-on experience in data analysis using Excel, SQL, and Power BI, focusing on data cleaning, visualization, and actionable insights.

COURSES AND CERTIFICATIONS

Microsoft AI Fundamentals Oracle Cloud Infrastructure Foundations
HackerRank Problem Solving NPTEL Cloud Computing (73%)

LANGUAGES

- Tamil(Native) • English(Professional proficiency)

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- **AI Workshop Participant** – Gained hands-on experience in Artificial Intelligence through a workshop at Coimbatore Institute of Technology, Coimbatore.
- **Certified Employability Skills Training** – Successfully completed a 5-day Employability Soft Skills Program organized by Anna University, Chennai.
- **Essay , Story Writing Competitions** – Secured participation certificates and recognition in various creative writing competitions.
- **Technical Event Volunteer** – Assisted in organizing technical fests and events, improving event management and team coordination skills.