

DAVID JAYARAJ A

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PROFESSIONAL SUMMARY

Detail-oriented AI and data science professional skilled in machine learning, data analytics, and software development. Proficient in Python, SQL, and Power BI, with hands-on experience in designing, developing, and optimizing AI-powered solutions.

EDUCATION

Karunya Institute of Technology and Sciences, Coimbatore, India
B.Tech Artificial Intelligence and Data Science

Aug 2023 – May 2027

SKILLS

Languages: Python, Java, C, PHP, JavaScript, TypeScript
Frameworks: Django, Flask, FastAPI, React, Tailwind, Bootstrap
Databases: MySQL, PostgreSQL, MongoDB, SQLite
App Development: Flutter, Dart
Tools: Power BI, Postman, VS Code
Machine Learning: Pandas, Scikit-Learn, TensorFlow, Keras

WORK EXPERIENCE

CODTECH IT Solutions — Machine Learning Intern

Feb 2025 – Mar 2025

- Worked on machine learning projects including data preprocessing, building predictive models, and deploying them using Python.
- Applied ML algorithms to classify and predict outcomes from large datasets.
- Created and maintained Power BI dashboards to display insights and predictions.

Nandha Infotech, Coimbatore — Mobile App Development Intern

Jun 2024 – Jul 2024

- Developed cross-platform mobile apps with Flutter.
- Integrated RESTful APIs, optimized UI/UX, and utilized Firebase for real-time functionality.

YBI Foundation — Data Science Intern

Sep 2024 – Nov 2024

- Assisted in data preprocessing, exploratory analysis, and predictive modeling for real-world data science projects.

PROJECTS

AI-Powered Personal Tutor

Mar 2025 – Apr 2025

- Designed an adaptive learning system that personalizes learning paths for students using AI and machine learning techniques.
- Integrated AI for real-time content recommendations and student progress tracking.

Scaling Trust: AI-Powered Detection of Online Harms

Feb 2025 – Apr 2025

- Developed an AI-based tool for detecting harmful online content such as misinformation and cyberbullying.

Lab Agent

Feb 2025 – Mar 2025

- Built an AI-integrated digital platform for labs that automates record-keeping and provides real-time practical videos and documentation.

CERTIFICATIONS

- **Google Data Analytics Professional Certificate** – Coursera (2025)
- **Career Essentials in Data Analysis** – Microsoft & LinkedIn (Oct 2025)
- **Explore Machine Learning using Python** – (Mar 2025)
- **SQL Certificate** – (Jul 2024)