

AJAY T M

Software Engineer

✉ ajaypadmanabhan01@gmail.com ☎ 9061252989,7306334610 📍 Kannur,kerala

🌐 <https://www.linkedin.com/in/ajaytm/> 🐙 <https://www.github.com/ajay-aju-0>

🖼️ <https://portfolio-1-o8g9.onrender.com/>

PROFILE

Motivated MCA graduate with experience in Python full-stack development, industrial automation, and AI. Proficient in frameworks like Django, Flask, Angular, and React, with skills in database management (SQL, NoSQL). A quick learner with a strong drive to collaborate and deliver efficient, scalable solutions.

PROFESSIONAL EXPERIENCE

Automation Engineer – Intern

01/2024 – 05/2024

MSQUARE Automation Solutions, Calicut

- Successfully implemented AI solutions and automated workflows using Make.com and Monday.com, resulting in a 30% increase in operational efficiency and a 20% reduction in manual errors.
- Developed and optimized custom workflows on Monday.com, improving team collaboration and project tracking. This led to a 25% improvement in project completion times and enhanced overall team productivity.
- Connected disparate systems through API integrations, creating seamless data flow and streamlined operations. This integration reduced data entry time by 40% and improved data accuracy across the organization.
- Leveraged data analysis and reporting tools to provide actionable insights, aiding in strategic decision-making. This contributed to a 15% increase in data-driven project outcomes and improved business performance.
- Created tailored applications (Custom apps) to address specific business needs, enhancing operational capabilities and meeting unique client requirements. These custom solutions led to a 15% increase in client satisfaction and operational efficiency.

Python Full Stack Developer – Intern

01/2021 – 04/2021

Quest Innovative Solutions Pvt. Ltd. , Kannur

- Designed and implemented responsive web applications using **Python** and associated frameworks (**Django, Flask, Angular**), resulting in a user-friendly interface that improved user engagement and satisfaction.
- Enhanced the user experience by contributing to the development and maintenance of front-end interfaces with **HTML, CSS, and JavaScript**, resulting in a **20%** increase in user interaction and a more modern, visually appealing design.
- Facilitated data exchange between front-end and back-end systems by developing **RESTful APIs**, streamlining information flow and enabling efficient communication between application components.

SKILLS

- **Languages:** Python, Java, JavaScript, C/C++, SQL
- **Databases:** MySQL, SQLite, MongoDB, Firebase, Monday.com, Notion
- **Frameworks:** Django, Flask, Angular, Node.js, React.js, Pandas, NumPy, Scikit-Learn, Matplotlib
- **VCS:** Git
- **Automation:** Make.com
- **Platforms:** PyCharm, Visual Studio Code, Jupyter Notebook, Google Colab
- **Web Scraping:** Selenium, BeautifulSoup

CERTIFICATES

- Artificial Intelligence and Machine Learning (AIML) – **ASAP** | [CERTIFICATE](#)
- Problem solving through programming in C – **NPTEL** – 85% | [CERTIFICATE](#)
- Data Base Management System – **NPTEL** – 56% | [CERTIFICATE](#)
- Introduction to data science – **Infosys springboard** | [CERTIFICATE](#)
- Crash course in Python – **Google** | [CERTIFICATE](#)
- Introduction to Git and GitHub – **Google** | [CERTIFICATE](#)
- Master Python Web Scraping & Automation using BS4 & Selenium | [CERTIFICATE](#)

PROJECTS

- **Virtual Assistant :**
A virtual assistant for our local system, that will accept voice commands and do task for us. Developed in **Python**. It is a GUI application.
- **Zoo Management System :**
Web application for automating all zoo operations including ticket booking. Developed in **Python** using **Django** and **SQLite**
- **Baker's Hut :**
Web application that gives us the facility of ordering any type of bakery products that will be door delivered to them. The project has been developed in **Python** using **Django** and **SQLite**
- **Attend-Me :**
Web application that gives the schools, the facility to manage the attendance of staffs and students. The project has been developed in **Python** using **Django** and **SQLite**
- **E-commerce Application** created using **MERN** stack and **Firebase** in backend
- **Twitter (X) Clone** created using **MERN** stack.
- **Real time Chat App** created using **MERN** stack and **socket.io** .
- **Threads Clone:** created using **MERN** stack, with a real time chat facility.

EDUCATION

MCA A P J Abdul Kalam Technological University – 84%	2021 – 2023
BCA Kannur University (sde) – 65%	2017 - 2020

LANGUAGES

- **English** (Read, Write, Speak)
- **Malayalam** (Read, Write, Speak)
- **Hindi** (Read, Write, Speak)
- **Tamil** (Speak)