



DHANAY J

Dynamic Software Engineer |
Proficient in Python, C, and Full-Stack Development | Expertise in Cutting-Edge Technologies

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Skills

Python

Proficient in Python programming, with strong experience in web scraping using tools like BeautifulSoup and Selenium. Developed projects in AI utilizing libraries such as scikit-learn for machine learning models like Logistic Regression and Linear Regression. Skilled in integrating and interacting with Web APIs to build dynamic applications. Expertise in scripting and automation, streamlining workflows and automating repetitive tasks efficiently.

Web Scrapping, AI, Web AI, Scrpiting and Automation

Fullstack Dev

Experienced in full-stack development with React and Express, applied in a DBMS Micro Project for college. The project involved integrating front-end and back-end systems and connecting databases. Encountered challenges such as SQL injection, which highlighted areas for further learning and improvement in database security and query optimization. Although design is not a strong suit, utilizes web templates for reference to construct user interfaces.

Full-Stack Development, Front-End Integration, Back-End Integration, Database Integration, React, Express

Docker

Experience in building custom Docker images and configuring environments using Dockerfile. Proficient in containerization and managing application dependencies.

Custom Images, Containerization, Environment Configuration

Shell Scripting and Automation

Experienced in using shell scripting to automate tasks such as running local servers, automating video processing workflows, and managing system performance by handling resource-intensive applications.

Shell Scripting, Automation, Resource Monitor

Flutter

Proficient in Object-Oriented Programming (OOP) with hands-on experience in building Flutter projects. Utilized Future (async) functions for efficient handling of asynchronous operations. Integrated external APIs to enhance functionality and connect to external services. Implemented Firebase and HIVE for data storage and management. Developed applications for both Android and Windows platforms, ensuring cross-platform compatibility

Cross-Platform App Development, API Integration, HIVE Database

C

Experienced with using C libraries in Linux and learning new libraries through documentation and examples. Skilled in dynamic memory allocation, modularizing programs, and managing global and local variable scopes. Developed and integrated multiple program modules using Makefile and header files for efficient project compilation and management.

Linux C Libraries, Modular Programming, Makefile

GitHub

Experience in using GitHub for version control and collaboration on projects. Proficient in using Git CLI commands such as status, add, commit, push, and checkout for managing code changes and collaborating with team members.

Version Control, Collaborative Projects, Git CLI, GitHub

Teamwork

Strong ability to collaborate with diverse teams, share ideas, and work towards common goals efficiently.

Collaboration, Team Player, Conflict Resolution

Problem-Solving

Adept at analyzing complex issues, generating solutions, and executing effective decisions to ensure project success.

Critical Thinking, Creative Solutions, Decision-Making

Time Management

Excellent at organizing tasks, managing deadlines, and maintaining productivity under pressure.

Task Prioritization, Meeting Deadlines, Work Efficiency

Adaptability

Skilled in quickly learning and adjusting to new challenges, environments, and technologies.

Flexibility, Quick Learner, Embracing Change

Blender

Experience in Blender for creating well-designed and scaled 3D models suitable for showcasing. Proficient in modeling but less experienced in rigging, animation, texturing, and lighting.

3D Modeling, Blender, Model Showcasing

Computer Vision

Experience in creating and using custom YOLO ML model for image classification

YOLO, ML, Python, Computer Vision

Interests

Music

Anime

Movies

Manga / Manhwa

Languages

English

Skilled in listening and comprehension. Currently focusing on enhancing verbal communication abilities.

Hindi

Proficient in listening and understanding. Working towards improving spoken communication skills.

Malayalam

Strong in listening, comprehension, and spoken communication.

As a skilled software engineer with a strong foundation in Python programming and Object-Oriented Programming (OOP), I have hands-on experience in C coding. I am proficient in high-level programming, performance testing, system integration, troubleshooting, application development, software development, and web services. I am also experienced in full-stack development, with expertise in React, Express, Flutter, HTML, CSS, JavaScript, Linux, Docker, and SQL. Passionate about leveraging cutting-edge technologies to build efficient and scalable solutions.

Experience

Adverk

June 2023 - July 2023

Student Intern

Online

Developed a mini project using Python to address cybersecurity challenges

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BoltIoT

December 2023 - February 2024

Student Intern Online and MA College of Engineering, Kothamangalam

Engaged in tasks to popularize concepts related to Artificial Intelligence (AI) and Machine Learning (ML).

DBMS-Micro-Project

April 2024 - May 2024

Full stack Dev MA College of Engineering , Kothamangalam

<https://github.com/Dhanay-J/DBMS-Micro-Project>

Developed a **Full-Stack** Application for **DBMS** Micro Project

Mp3 Downloader | Personal Project

May 2024 - June 2024

Software Dev

Online

<https://github.com/Dhanay-J/Youtube2Mp3>

Created a tool to convert videos to MP3 format, implementing efficient video processing and audio extraction techniques.

Scripts | Personal Project

March 2024 - Present

System Admin

Online

<https://github.com/Dhanay-J/Scripts>

Created a collection of useful **Linux and Windows scripts** for general automation and system management.

ENCIDE MACE

July 2024

Data Scraping Specialist MA College of Engineering, Kothamangalam

- Developed and implemented **web scraping scripts using Python** (BeautifulSoup, Selenium) to extract and analyze competition data, ensuring accuracy and addressing issues. Collaborated with the team to refine data collection methods and improve data quality.
- Implemented automated data extraction processes, enhancing efficiency and accuracy in data collection by filtering out irrelevant data.

Education

Mar Athanasius College of Engineering

June 2022 - Present

Kothamangalam

Bachelor of Technology

Artificial Intelligence and Machine Learning

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During my time at MA College of Engineering, I actively contributed to various technical initiatives and student activities. I worked as part of the **Technical Team of GDSC MACE** for **Girlathon**, a women-focused hackathon held at the Kerala Startup Mission. I also provided **technical support for ENCIDE MACE**, assisting with data collection and analysis tasks. As part of **ISTE MACE**, I conducted a **Python Bootcamp** for fellow students, helping them enhance their programming skills.

Volunteering

GDSC MACE

2023 - 2024

AI and ML Lead Mar Athanasius College of Engineering Kothmangalam

Led the AI and ML initiatives for GDSC MACE during the 2023-2024 academic year. Organized activities such as quizzes focused on AI to stimulate and promote student interest in AI and ML.

GDSC MACE

May 2024

Volunteer

Kerala Startup Mission

I worked as part of the **Technical Team of GDSC MACE** for **Girlathon**, a women-focused hackathon held at the Kerala Startup Mission.

ISTE MACE

2024

Bootcamp

Mar Athanasius College of Engineering Kothamangalam

Instructor

As part of **ISTE MACE**, I conducted a **Python Bootcamp** for fellow students, helping them enhance their programming skills.

ENCIDE MACE

2024

Volunteer

Mar Athanasius College of Engineering Kothamangalam

Provided **technical support for ENCIDE MACE**, assisting with data collection and analysis tasks.