BHALAGANAPATHY M

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CAREER SUMMARY

I'm a passionate and curious Computer Science student who loves turning ideas into real-world tech—whether it's coding smart devices, building AI tools, or creating intuitive apps. I thrive on solving problems, learning new things, and bringing creative energy to everything I build. From Python, Java programming and IoT systems to AI-driven applications, I enjoy crafting solutions that are both smart and meaningful. I'm eager to join a forward-thinking team where I can contribute, grow, and make technology truly impactful for people.

EXPERTISE

Technical Proficiency
Python, Java, SQL, HTML, CSS, JavaScript (basics), MongoDB, DBMS, ESP32 & Arduino integration, Prompt Engineering

Data Science & Analytics
AI/ML model building, Pandas, NumPy, Matplotlib, Scikit-learn, CSV data handling, Power BI

Soft Skills
Problem-solving, Team collaboration, Quick learning, Adaptability

PROFESSIONAL EXPERIENCE

AI Intern – Microsoft Tech Saksham (Edunet Foundation) *Feb 2025 – Apr 2025*

- Completed an AI-focused internship under a joint CSR initiative by **Microsoft and SAP**.
- Gained direct experience in transformative learning using AI technologies.
- Developed problem-solving and project-building skills through guided modules.

Data Science Job Simulation – Forage (British Airways) *April 2025*

- Performed web scraping to gather company insights.
- Built models to predict customer buying behaviour based on **real-world business data.**
- Simulated real industry tasks aligned with data science job roles.

PROJECTS

AI - Powered Medical Diagnosis System
Built using Python, Streamlit, and scikit-learn to predict heart disease and Parkinson's with SVM, Logistic Regression & Random Forest.

Face Recognition Voting System
Used OpenCV and dlib for real-time face detection and CSV for data storage to simulate a secure voting system.

Switch Board Automation with ESP32
Controlled normal switchboards via Wi-Fi using ESP32, showcasing real-time IoT automation and smart control.

EDUCATION

B. Tech in Computer Science and Engineering
Manakula Vinayagar Institute of Technology, Puducherry *2022 – Present*

CERTIFICATIONS

Python 101 for Data Science – IBM SkillsBuild *May 2025*

Data Science Job Simulation – Forage x British Airways *Apr 2025*

AI: Transformative Learning – Microsoft Tech Saksham *Mar 2025*