

Karthik M

Entry-Level Software Developer

iammrkarthik2002@gmail.com — +91 7019880061

Bengaluru, India — LinkedIn: karthik-m-9262a02b4

OBJECTIVE

Aspiring Software Developer with hands-on experience in Python development, machine learning, and cloud technologies. Seeking entry-level opportunities to apply technical skills gained through academic projects, internship experience, and 20+ industry certifications in data science, cloud computing, and software development.

TECHNICAL SKILLS

Programming Languages: Python, Java, C, SQL

Web Technologies: HTML, CSS, JavaScript, REST APIs

Frameworks & Libraries: PyQt5, OpenCV, Pandas, NumPy

Databases: MongoDB, Redis, MySQL

Cloud & DevOps: AWS (EC2, S3, IAM), Docker, Git, Linux

Data Analysis Tools: Power BI, Jupyter Notebook, Excel

Other Tools: RFID, ESP32, IoT Systems, Machine Learning, Computer Vision

EDUCATION

Master of Computer Applications (MCA)

2023 – 2025

Dayananda Sagar Academy of Technology & Management, Bengaluru

CGPA: 8/10

Bachelor of Computer Applications (BCA)

2020 – 2023

RNS First Grade College, Bangalore University

CGPA: 7.04/10

Senior Secondary (XII)

2020

CBSE, Sri Chaitanya Techno School, Bangalore

64.4%

Secondary (X)

2018

CBSE, Sri Chaitanya Techno School, Bangalore

58.6%

EXPERIENCE

Data Science Intern

Nov 2024 – Jan 2025

Bangalore

Prinston Smart

- Processed and cleaned datasets with 100k+ records using Python and Pandas, improving data quality by 40%
- Developed machine learning models using scikit-learn achieving 85%+ predictive accuracy for business applications
- Created automated dashboards in Power BI that enhanced business reporting efficiency by 30%
- Collaborated with senior data scientists on model optimization and data pipeline improvements

PROJECTS

Enhanced AI Job Hunter – Material3 Edition

2025

- Developed advanced job-hunting desktop application using Python 3.8+ and PyQt5 with Material 3 design interface
- Implemented AI-powered job matching, resume creation, application tracking, and analytics features
- Built modular codebase using MVC pattern with role-based access control and multi-user support
- Integrated real-world APIs (OpenAI, SERPAPI, email automation) for enhanced functionality and user experience

AI-Driven Job Portal

2024

- Engineered NoSQL recruitment portal with automated resume parsing and real-time job matching capabilities
- Implemented intelligent ranking algorithms that reduced manual screening time by 25%
- Designed scalable database architecture using MongoDB and Redis for optimal performance

Hand-Tracking Virtual Keyboard

2024

- Created touchless typing system using computer vision and gesture recognition technology

- Achieved 95% real-time gesture detection accuracy for accessible and hygienic data input
- Implemented OpenCV algorithms for hand tracking and gesture-to-text conversion

Amazon Sales Data Analysis

2024

- Built comprehensive sales forecasting pipeline using Python and machine learning algorithms
- Achieved 91% accuracy in monthly trend predictions for data-driven inventory planning
- Applied statistical analysis and data visualization techniques for actionable business insights

RFID Door Automation System

2023

- Developed IoT-based access control system using ESP32 microcontroller and RFID technology
- Reduced manual access management by 80% while enhancing security with real-time tracking
- Programmed embedded systems for seamless hardware-software integration

CERTIFICATIONS

Cloud Computing: AWS Cloud Practitioner, AWS Security Operations (LinkedIn Learning)

Data Science: Machine Learning Fundamentals, Advanced Predictive Modeling, Data Analytics

Software Development: Python Programming, REST APIs, DevOps Foundations

Design & UX: Google UX Design Certificate (Coursera), Design Thinking (Infosys Wingspan)

Project Management: Agile Project Management, Scrum Methodology, Jira

Additional: 15+ certifications in Cloud, AI, Business Analytics, and Cybersecurity

ACHIEVEMENTS

Academic Excellence: Consistent academic performance in MCA and BCA programs

Leadership: Hackathon coordinator for 200+ participants, organized college programming events

Community Service: Tech workshop organizer for NGO, trained 100+ students in programming skills

Personal Development: Green Belt in Martial Arts, Regional Boxing competitor

DECLARATION

I hereby declare that all the information provided above is true and accurate to the best of my knowledge. I am willing to provide any additional documentation or clarification if required.