

Karthik M

Entry-Level Software Developer

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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

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|--|------------------------------|
| Master of Computer Applications (MCA) <i>Dayananda Sagar Academy of Technology & Management, Bengaluru</i> | 2023 – 2025 CGPA: 8/10 |
| Bachelor of Computer Applications (BCA) <i>RNS First Grade College, Bangalore University</i> | 2020 – 2023 CGPA: 7.04/10 |
| Senior Secondary (XII) <i>CBSE, Sri Chaitanya Techno School, Bangalore</i> | 2020 64.4% |
| Secondary (X) <i>CBSE, Sri Chaitanya Techno School, Bangalore</i> | 2018 58.6% |

EXPERIENCE

| | |
|--|---|
| Data Science Intern <i>Prinston Smart</i> | Nov 2024 – Jan 2025 <i>Bangalore</i> |
| <ul style="list-style-type: none">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 applicationsCreated 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

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|---|------|
| Enhanced AI Job Hunter – Material3 Edition | 2025 |
| <ul style="list-style-type: none">Developed advanced job-hunting desktop application using Python 3.8+ and PyQt5 with Material 3 design interfaceImplemented AI-powered job matching, resume creation, application tracking, and analytics featuresBuilt modular codebase using MVC pattern with role-based access control and multi-user supportIntegrated real-world APIs (OpenAI, SERPAPI, email automation) for enhanced functionality and user experience | |
| AI-Driven Job Portal | 2024 |
| <ul style="list-style-type: none">Engineered NoSQL recruitment portal with automated resume parsing and real-time job matching capabilitiesImplemented 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 |
| <ul style="list-style-type: none">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.