

# MOHAMMED ABUBAKAR

abubakarsiddiqh1@gmail.com | +91 7353553630 | Hassan, Karnataka

<https://www.linkedin.com/in/mohdabubakar>

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## SUMMARY

Detail-oriented and highly motivated Software Developer with a Bachelor's degree in Information Science and Engineering. Proven expertise in software development, data science, and machine learning, complemented by hands-on internship experience in diverse technological environments. Strong proficiency in various programming languages and frameworks, with a keen interest in developing scalable solutions that leverage AI and cloud computing. Passionate about solving complex problems through innovative approaches and continuous learning.

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## INTERSHIPS

### Software Development Intern, Master Control Facility(MCF), Hassan

Aug 2023 – Sep 2023

- Assisted in the development and maintenance of software systems to enhance operational efficiency, utilizing Java and Python.
- Collaborated with senior developers to troubleshoot and optimize existing applications, reducing system downtime by 15%.
- Participated in code reviews and contributed to documentation, ensuring adherence to best practices and coding standards.

### Data Science Intern, Intrainz

July 2023 – Sep 2023

- Conducted data mining and analysis using Python, providing actionable insights to improve system performance.
  - Developed predictive models that increased forecasting accuracy for company logistics by 10%.
  - Collaborated with cross-functional teams to implement data-driven strategies, enhancing project outcomes.
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## SKILLS

- Programming Languages:** Python, Java, C, JavaScript
  - Web Development:** HTML, CSS, Tailwind CSS, JavaScript frameworks
  - Cloud Computing:** Familiarity with cloud services (AWS, Azure)
  - Database Management System:** MySQL, MongoDB, NoSQL
  - Artificial Intelligence & Machine Learning:** Numpy, Pandas, Scikit-learn
  - Object Oriented Programming**
  - Data Science:** Data analysis, Data visualization
  - Soft Skills:** Problem-solving, Communication, Team Collaboration
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## PROJECTS

### Milk Adulteration Detection using IoT and ML Techniques

- Developed a system to ascertain milk purity using IoT sensors and machine learning algorithms.
- Role:** Full-stack developer where I designed the interface and implemented the machine learning model.
- Impact:** Enhanced food safety measures and awareness around product quality.

## Hospital Management System

- Created a web-based hospital management system to streamline patient data management.
- **Role:** Backend developer responsible for database architecture and server-side logic.
- Resulted in improved efficiency in patient data access and management.

## Weather App Application (Website)

- Built a responsive weather application providing real-time weather updates by consuming external APIs.
- **Role:** Frontend developer using HTML, CSS, and JavaScript to create a user-friendly interface.
- **Result:** Increased user engagement through an intuitive design.

## Recommendation System

- Designed a recommendation system using collaborative filtering that provided personalized suggestions based on user preferences.
- **Role:** Data analyst, identifying patterns in user behavior and preferences.
- **Impact:** Improved user experience and satisfaction through tailored recommendations.

## Inventory Management System

- Developed a system for managing inventory with features to track stock levels and reorder alerts.
- **Role:** Full-stack development, focusing on both frontend and backend technologies.
- Resulted in reduced inventory costs through better resource management.

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## EDUCATION

### Bachelor of Engineering (B.E.) in Information Science and Engineering

Malnad College of Engineering, Hassan  
2020 – 2024  
CGPA: 8.71

### Pre-University (PU) / 12th

Sri Venkateshwara PU College, Hassan  
Year of Completion: 2020  
Percentage: 84%

### SSLC / 10th

Sri Venkateshwara High School, Hassan  
Year of Completion: 2018  
Percentage: 87.04%

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## CERTIFICATIONS

**Certificate of Industrial Training:** Certificate for completing the Industrial Training program with industry mentors from July 2023 to September 2023

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## WORK SAMPLES

**Github Profile:** <https://github.com/Mohd-Abubakar>