


IRHAM FATHIMA

ENGINEERING IN COMPUTER SCIENCE

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 Mangalore, Karnataka

Professional Summary

A highly motivated and dedicated Computer Science Engineer with a real passion for tackling problems and exploring new technologies. Eager to apply my skills and contribute to meaningful projects in the field. I bring solid problem-solving abilities, hands-on experience in design and analysis, and expertise in web development and database management. I'm a collaborative team player, ready to contribute effectively to any team environment.

Education

(DEC 2022-MAY2026)

Bachelor of Engineering in Computer Science

PA College of Engineering

Maintained 8.0 CGPA and aiming to achieve Master's Degree

Technical Skills

- Programming Languages: C, Python, JavaWeb
- Development: HTML, Css, Javascript, MySql

SOFT SKILLS

- Leadership and Team Management
- Event Organization and Coordination
- Problem-Solving Skills
- Effective Communication and Presentation

PROJECTS

G2A(Grievance-to-Action)

Rural communities in India often face challenges in reporting local civic issues—such as water shortages, broken handpumps, or uncollected garbage—due to limited digital literacy, language barriers, and lack of accessible grievance redressal mechanisms. Existing systems are frequently inaccessible, inefficient, or lack transparency, leading to unresolved complaints and diminished trust in local governance. There is a pressing need for an inclusive, user-friendly platform that enables rural populations to voice their concerns effectively, ensures proper routing to the appropriate authorities, and provides transparent tracking of complaint resolutions.

Smart Plant Fertilizer System

This system utilizes sensors, an ESP8266, a pump, and solenoid valves for automated plant watering and fertilization. The ESP8266 controls the system based on soil moisture data. TIP122 transistors amplify current, and voltage regulators provide stable power. Wi-Fi connectivity enables remote monitoring and control through a smartphone, enhancing plant growth management.

Online Airline Ticket Reservation System

Led a team to develop a flight booking system with user and admin login functionality

- Implemented flight search, booking, and reservation features with real-time updates.
- Managed MySQL database for efficient flight schedules, bookings, and user data management.
- Developed a responsive front-end using HTML, CSS, and JavaScript for an intuitive user interface.

CERTIFICATIONS

- Activities: Member, GLUG PACE(Linux Users Group)
- CS50 - harvard University
- Basics of python - Infosys springboard
- Blockchain Development for Beginners - Infosys springboard
- Python - the Spoken Tutorial Project, IIT Bombay
- C programming - the Spoken Tutorial Project, IIT Bombay

Languages

- English • Hindi • Urdu • Kannada • Malayalam