

**K Mohammad Hisham**  
USN: 4PA22CS048  
Bachelor of Engineering  
P.A College of Engineering, Mangalore

+91-6361830660  
✉ hishammohd313@gmail.com  
🔗 [Hishaaamm](#)  
🌐 [Mohammad Hisham](#)

## SUMMARY

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Tech enthusiast with extensive experience in full stack web development and working with various development boards. Skilled in building robust and scalable web applications, passionate about learning new technologies, and driven by a desire to innovate and solve complex problems.

## EDUCATION

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- **Bachelor of Engineering in Computer Science and Engineering** 2022-26  
*P.A College of Engineering, Mangalore.* CGPA: 8.5
- **Department of Pre-University Education** 2020-22  
*Carmel Composite P.U College, Modankapu.*
- **Karnataka Secondary Education Examination Board** 2019-20  
*Wisdom English Medium School, Budoli.*

## PROJECTS

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- **Internship Project: Smart Store Website**  
*An e-commerce website for an smart store as part of an internship.*
  - Technologies Used: HTML, CSS, JavaScript (frontend), JSP, Servlets (backend), MySQL (database).
  - Implemented user interface with HTML, CSS, and JavaScript; server-side logic with JSP and Servlets.
- **DBMS Project: Playtone**  
*A platform for sports enthusiasts to find and book turfs, create games, and join teams.*
  - Designed and implemented the database schema and search functionality for turfs.
  - Integrated user authentication, game management features, and a review system for turfs.
- **Project: AI Chatbot**  
*Developed an AI chatbot application using Llama 2 for natural language processing.*
  - Built an interactive chatbot with Streamlit to enable real-time user conversations with the Llama 2 model.
  - Implemented conversational AI features and enhanced the user experience with a responsive interface.

## EXPERIENCE

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- **Internship** July- November 2024  
*Future Intern* Online
  - Enhanced problem-solving skills and knowledge of data structures and algorithms in Java.
  - Utilized Java for backend application development.
  - Gained experience with SQL for database management.
- **Web Lead** 2023  
*Embed club* Offline
  - Developed a secure , dynamic web page for the club.
  - Contributed in structuring the web page, made it more user freindly.
- **Technical Lead** 2023  
*Glug pace* Offline
  - Led technical initiatives and mentoring sessions focused on open-source technologies and Linux-based development.
  - Organized and conducted workshops on tools like Git, Linux commands, and Figma.
  - Guided students in project building, hackathons, and technical events under the GLUG community.
  - Enhanced user experience with intuitive design and seamless functionality for both customers and admins.

## **TECHNICAL SKILLS AND INTERESTS**

**Languages:** C, Python, Java.

**Web Development:** HTML, CSS, Javascript, React, Flask.

**App Development:** Android Studio.

**Cloud/Databases:** Relational Database(mysql, SQLite), MongoDB.

**Development Boards:** Arduino, Esp32, STM-32, Raspberry pi.

**Creative Tools:** Figma, Canva.

**Business Applications:** Microsoft PowerApps, PowerAutomate, Salesforce.

**Soft Skills:** Problem Solving, Self-learning, Adaptability, Team Work.

## **ACHIEVEMENTS**

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### **·Winner National-Level Project Competition-ADC-2024**

July 2024

*IIIT Bangalore*

- Designed and developed Nirbhaya, an IoT-based women's safety device.
- Led the team representing P.A. College of Engineering to a national victory.
- Built a React web application to dynamically update the device's emergency contact number and user details remotely.
- Enabled emergency alerts through A9G module with live location tracking and automated calling.
- Demonstrated the solution to Mangalore Police; received appreciation and implementation interest.
- Awarded a grant of ₹50,000 for further development and scaling of the project.

### **·2nd Place, Embed Design Challenge**

January 2024

*EMBED CLUB- P.A College of Engineering*

- Designed an IoT-based bridge monitoring system to enhance safety and traffic control.
- Implemented sensors to count the number of vehicles entering and exiting the bridge in real time.
- Integrated load sensors to detect and monitor the weight of vehicles on the bridge.
- Enabled data logging and analysis for preventive maintenance and traffic optimization.

### **Runner-up, Hacksummit 2025**

May 2025

*GLUG - P.A College of Engineering*

- Developed a web-based fully loaded safety system.
- Implemented emergency features such as voice-activated SOS, location tracking, and live alerts entirely within a React and Next.js web application.
- Integrated AI-driven solution to detect the threats.
- Recognized for innovation in safety-focused tech solutions.

## **CERTIFICATIONS**

**Complete C programming** – Udemy

**Cs50 Harvard University Course** – edx Harvard

**Google Cloud Skill Boost** - Google Cloud

**Fundamentals of Salesforce** - Trailhead

**Introduction to HTML, CSS and Javascript** - Simplilearn

**Data Structure and Algorithms** - Geeksforgeeks

## **VOLUNTEER EXPERIENCE**

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**President- Embed Club :** - Organized and coordinated workshops on Microbit, fundamentals of embedded systems, Deep Learning and IoT.

**Web Lead- GLUG Pace:** - Organized and coordinated workshops on web development, Blender, GitHub, and a hackathon named 'HACKSUMMIT'24', Managed and maintained the Glug Pace website.

## **LANGUAGES**

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- English
- Hindi
- Kannada
- Malayalam