

# ARHAANUDDIN M

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## SUMMARY

Analytical electronics and computer science student with hands-on experience in robotics and biometric systems. Led technical projects and organized large-scale events, integrating hardware and software skills with business acumen. Committed to delivering innovative solutions and making impactful contributions.

## SKILLS

C and C++ Programming | Embedded Systems | Arduino and Raspberry Pi | PCB Design & Layout | Circuit Schematic Analysis | Microsoft Office | Data Validation | Event Management and Coordination | Leadership and Teamwork | Problem-Solving | Time Management | Multitasking

## EXPERIENCE

### Rug-Rel Components & Systems Pvt Ltd, Systems Design Intern

July 2026 - Present

Bengaluru

- Designed and developed PCB layouts using industry-standard tools for efficient functionality.
- Optimized component placement to minimize signal crosstalk effectively.
- Analyzed electrical schematics and data sheets to ensure design accuracy.
- Participated in design reviews, offering feedback on best practices.

### Outlier AI, Freelancer

January 2025 - Present

- Completed four AI training projects, enhancing model precision and efficiency.
- Reviewed data accuracy, contributing to optimal AI model performance.
- Validated datasets, ensuring high-quality inputs for AI development.

### Event Management, Freelancer

January 2025 - Present

- Supervised event setup and breakdown, ensuring precise execution of all details.
- Directed wedding entry celebrations, focusing on staging and overall aesthetics.

## LEADERSHIP EXPERIENCE

### IEEE Robotics and Automation Society, Chair

March 2025 - March 2026

- Coordinated the investiture ceremony for the IEEE Student Branch and Robotics and Automation Society, fostering community engagement.
- Led committee activities, ensuring alignment with organizational goals and enhancing operational effectiveness.
- Facilitated multiple webinars on diverse robotics topics, promoting knowledge sharing and collaboration among members.
- Invited dignitaries from the Indian Institute of Science and the IEEE RAS Bangalore Chapter to speak at events.

### Elixir, Project Head

August 2024 - July 2025

- Directed university-based exhibitions for the Department of Electronics, enhancing student engagement and showcasing innovative projects.
- Developed project plans, timelines, and budget management strategies to ensure successful execution.
- Led initial project meetings to clarify goals and set expectations, and supervised documentation for accuracy.

### Bethany Past Student Association, Council Member

January 2024 - Present

- Directed VIP hospitality and security operations, maintaining attendee safety during reunion events.
- Coordinated annual alumni reunions at Koramangala Club from 2024 through 2026, fostering alumni engagement.

- Organized a karaoke night for 50 alumni to encourage engagement and strengthen relationships.
- Facilitated strategic planning meetings, defining goals for the association's future direction.

## VOLUNTEER EXPERIENCE

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- Event Volunteer, SJU Student Council
- Event Volunteer, Electronics Club
- Event Volunteer, G20 University Connect at University
- NSS Volunteer

## PROJECTS

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### Smart Automated Electronic Voting Machine (Biometric Enabled)

- Integrated a fingerprint sensor for biometric voter authentication, preventing duplicate or unauthorized votes.
- Self-designed and programmed the complete system in C, including sensor input handling and vote logic.
- Won 2 gold medals at university fests for the project.

### Humanoid Robot with Neck, Arm and Claw Movement

- Designed and assembled a humanoid robot capable of coordinated neck, arm, and claw movements.
- Programmed motion control logic in C++ to translate commands into precise mechanical actuation.

### Peg Rotator (Medical Application)

- Designed and built a motorized peg rotator for a medical-use application, using dual-axis motor control for precise, automated rotation.

## EDUCATION

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### St. Joseph's University, B.Sc. in Electronics and Computer Science

April 2026

Bangalore, Karnataka

- CGPA: 6.9
- Electives: Gardening and Landscaping Technology, Start Up Management, Innovation Management, Sustainable Business and Finance

### Cathedral Composite PU College, Karnataka State Board, 2nd PUC

April 2023

Bangalore, Karnataka

- Percentage: 81.63%

### Bethany Institutions, ICSE, 10th Standard

April 2021

Bangalore, Karnataka

- Percentage: 72.86%
- Gold Medallist - Athletics