

# Adhithyan K S

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## Summary

Computer Science and Engineering student with hands-on experience in Android development, REST API integration, and full-stack web applications. Strong foundation in databases, networking, and client-server architecture with interest in backend and system development.

## Education

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|----------------------------------------------------|----------------------------|
| <b>College of Engineering Trivandrum</b>           | Thiruvananthapuram, Kerala |
| B.Tech. in Computer Science and Engineering        | 2026 – Present             |
| <b>Government Polytechnic College, Kunnankulam</b> | Kunnankulam, Kerala        |
| Diploma in Computer Engineering                    | 2023 – 2026                |
| CGPA: <b>8.82 (First Class with Distinction)</b>   |                            |

- Relevant Coursework: Programming in C, Object-Oriented Programming, Data Structures and Algorithms, DBMS, Web Technologies, Computer Networks, Artificial Intelligence and Machine Learning, Embedded Systems, System Administration, Android App Development

## Experience

|                                                              |                     |
|--------------------------------------------------------------|---------------------|
| <b>Junior Android App Developer Intern</b>                   | Dec 2025 – Mar 2026 |
| GrapesGenix Pvt Ltd, Thrissur, Kerala                        |                     |
| <i>Technologies: Java, PHP, MySQL, REST API, Android SDK</i> |                     |

- Developed Android applications using Java with PHP and MySQL backend services
- Integrated REST APIs with authentication and database connectivity
- Worked with client-server architecture and production-style application workflows

## Projects

|                                                                                  |                           |
|----------------------------------------------------------------------------------|---------------------------|
| <b>Robotic Arm Payment and Control System</b>                                    | SvelteKit, Supabase, MQTT |
| <i>Technologies: SvelteKit, Razorpay API, Supabase, HiveMQ, MQTT, JavaScript</i> |                           |

- Built a full-stack payment system integrating Razorpay with cloud database storage
- Implemented MQTT-based messaging to trigger IoT device actions after successful payment
- Designed real-time workflow connecting web application, database, and robotic hardware
- **GitHub:** [github.com/adhithyan-ks/upi-book-vending](https://github.com/adhithyan-ks/upi-book-vending)

|                                                          |            |
|----------------------------------------------------------|------------|
| <b>E-Commerce Web Application</b>                        | MERN Stack |
| <i>Technologies: React, Node.js, Express.js, MongoDB</i> |            |

- Developed product listing and authentication system using RESTful APIs
- Implemented backend integration and database operations
- **GitHub:** [github.com/adhithyan-ks/ecom-website](https://github.com/adhithyan-ks/ecom-website)

|                                            |            |
|--------------------------------------------|------------|
| <b>Hotel Room Booking Website</b>          | PHP, MySQL |
| <i>Technologies: PHP, MySQL, HTML, CSS</i> |            |

- Built dynamic booking system with database-driven reservation management
- **GitHub:** [github.com/adhithyan-ks/hotel-booking](https://github.com/adhithyan-ks/hotel-booking)

## Seminar

### Model Context Protocol (MCP)

- Presented seminar on Model Context Protocol, explaining secure integration between AI systems and external tools through standardized interfaces

## Achievements

- Secured the highest SGPA in the Computer Engineering department during the 2nd, 3rd, and 4th semesters at GPTC Kunnankulam

## Technical Skills

**Languages:** Java, Python, JavaScript, C, SQL, PHP

**Frameworks:** Android SDK, Express.js, React, SvelteKit

**Databases:** MySQL, MongoDB, Supabase

**Tools:** Git, GitHub, Postman, VS Code

**Concepts:** REST APIs, Client-Server Architecture, Authentication, Object-Oriented Programming, Data Structures

**Platforms:** Linux (Ubuntu), Windows