

# Adhithyan K S

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## Summary

Computer Engineering diploma 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

**Government Polytechnic College, Kunnankulam** Kunnankulam, Kerala  
Diploma in Computer Engineering 2023 – 2026  
CGPA: **8.5**

- 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

## Internship

**Junior Android App Developer** Dec 2025 – Mar 2026  
GrapesGenix Pvt Ltd, Thrissur, Kerala  
*Technologies: Java, PHP, MySQL, REST API, Android SDK*

- 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

**Robotic Arm Payment and Control System** SvelteKit, Supabase, MQTT  
*Technologies: SvelteKit, Razorpay API, Supabase, HiveMQ, MQTT, JavaScript*

- 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)

**E-Commerce Web Application** MERN Stack  
*Technologies: React, Node.js, Express.js, MongoDB*

- 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)

**Hotel Room Booking Website** PHP, MySQL  
*Technologies: PHP, MySQL, HTML, CSS*

- 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 highest SGPA in Computer Engineering department for 2nd, 3rd, and 4th semesters

## 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

**Protocols:** HTTP, MQTT

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