

Pavan Hegde

pavanhegde777@gmail.com | +91 94499 23732 | github.com/PavanKHegde | linkedin.com/in/pavankhegde

Summary

Analytical Software Developer Intern with a strong foundation in coding, algorithms and software logic. Worked closely with backend teams to build scalable and efficient APIs and services. Dedicated to writing clean, maintainable code and enhancing development processes.

Experience

Software Developer Intern – Apprikart Digital Solutions | Bangalore, India | April 2025 – July 2025

- Developed 12+ production-ready REST APIs using Node.js and PostgreSQL, reducing average latency by 30%.
- Collaborated with cross-functional team to enhance system throughput by 25%, demonstrating communication.
- Resolved critical integration bugs and documented APIs, improving test coverage and reliability by 40%.

Skills

- **Languages:** Java, Python, JavaScript, SQL, C, C++, HTML5, CSS.
- **Web & Frameworks:** Node.js, ReactJS, Django, Express.js, RESTful APIs.
- **Databases:** MySQL, PostgreSQL, SQLite, MongoDB.
- **Tools & Technologies:** Git, GitHub, Postman, Docker, JWT, Pandas, NumPy, AI/ML.

Projects

HustleBotAI – Marketing Tool

Node.js (Express), PostgreSQL, ReactJS

- Built and deployed robust APIs managing 10K+ multi-channel campaigns with 99%+ uptime and stability.
- Engineered robust backend logic for campaign tracking, ensuring precise role-based access and data consistency.
- Boosted message delivery success rate to 98% by implementing strict input validation, retries, and fault-tolerant logic.

GrowSafe – Crop Disease Detection

Android Studio, Spring Boot, MongoDB, CNN

- Developed Android app to detect 5+ crop diseases with 95% accuracy using CNN and advanced image preprocessing.
- Enhanced recommendation engine by integrating soil and climate data, resulting in 3x higher prediction accuracy.
- Designed a scalable backend using Spring Boot and MongoDB, architected to handle 1K+ farmer use cases.

Spare Parts Management System – E-Commerce App

Django, SQLite, JavaScript

- Implemented modular cart and wishlist features with reusable UI components, raising user interaction by 50%.
- Integrated Razorpay payments and advanced smart product filters, reducing average product search time by up to 60%.
- Streamlined backend order flow and inventory logic, achieving 40% faster checkout and real-time stock updates.

Education

PES University, Bengaluru

2023 – 2025

Master of Computer Applications (MCA)

JSS Shri Manjunatheshwara Institute Of UG. & PG. Studies, Dharwad

2020 – 2023

Bachelor of Computer Application (BCA)

Certifications

Data Analytics Essentials – (Cisco)

2024