

DAVID MPANGALA

Full-Stack Developer | Software Engineer | IoT & Embedded Systems

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PROFESSIONAL SUMMARY

B.E. Electronics & Communication Engineering graduate (CGPA: 8.5/10) with a Minor in Full-Stack Development from IBM Skills Network. Hands-on builder of 5+ real-world projects spanning IoT systems, Android apps, and full-stack web platforms. Proven communicator with 2.5+ years of professional experience in corporate relations and international student coordination. Ready to contribute as a Software Engineer, Full-Stack Developer, or IoT Engineer in India or internationally.

TECHNICAL SKILLS

Languages & Frameworks

Java	JavaScript	Python	C	HTML5	CSS3	SQL
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Frameworks & Tools

React.js	Node.js	Express	Firebase	MySQL	MongoDB	PHP
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IoT & Hardware

Arduino Uno	Raspberry Pi	Embedded C	IoT Systems
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DevOps & Cloud

Git	GitHub	Cloud Computing	Android Studio
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PROJECTS

SanaaNexus — Freelancer-Client Marketplace — [React.js](#) | [Node.js](#) | [MongoDB](#) | [Express](#)

- Full-stack platform connecting freelancers and clients with role-based dashboards, real-time order management, auto-suggestions, and secure authentication. (In Progress)

ClearFrost Solutions — IoT Snow Monitoring System — [Arduino](#) | [Sensors](#) | [HTML](#) | [CSS](#) | [JavaScript](#)

- IoT system monitoring snow levels and road safety conditions in real time; triggers automated alerts to snow removal companies, reducing hazard response time.

Smart Fire Control System — IoT Safety Device — [Embedded Systems](#) | [IoT](#) | [Firebase](#) | [Mobile](#)

- Hardware-software system for fire and gas detection with auto-shutdown relay, motion sensing, and real-time mobile app alerts via Firebase — reducing response time to emergencies.

ServiceSmith & SSmith — Home Services Apps — [Java](#) | [Android Studio](#) | [Firebase](#)

- Dual Android apps enabling customers to book and service providers to manage home services, with real-time scheduling, booking history, and push notifications.

NCW Events Organizer — Student Portal — [PHP](#) | [MySQL](#) | [HTML](#) | [CSS](#)

- Web portal for student activity registration with filtering, calendar views, and admin management, supporting campus event coordination for 500+ students.

WORK EXPERIENCE

Corporate Relations Intern | Rathinam Technical Campus

Coimbatore, Tamil Nadu Aug 2025 – Present

- Coordinated campus recruitment drives and maintained recruiter relationships, facilitating placement for 100+ students.
- Coached peers on resume writing, mock interviews, and career strategies, improving placement readiness.
- Maintained accurate placement records and streamlined recruiter communication workflows.

International Admissions Representative (Part-Time) | Rathinam Group of Institutions

Coimbatore, Tamil Nadu *Dec 2022 – Jul 2025*

- Supported international students through onboarding (hostel, hospital, admissions), ensuring a smooth transition.
- Served as liaison between students and administration, resolving cross-cultural inquiries with high satisfaction.
- Assisted in drafting MOUs and coordinating outreach efforts to expand international admissions partnerships.
- Recognized with Best Team Player Award and Outstanding Contribution Award for cross-cultural engagement initiatives.

EDUCATION

B.E. Electronics & Communication Engineering | CGPA: 8.5 / 10

Rathinam Technical Campus, Anna University — Coimbatore, Tamil Nadu

Minor Degree — Full-Stack Development

IBM Skills Network via Rathinam Technical Campus, Anna University

CERTIFICATIONS

- IBM Full Stack Software Developer Professional Certificate — *IBM (Ongoing)*
- Introduction to Software Engineering — *IBM*
- Developing Front-End Apps with React — *IBM*
- Developing Back-End Apps with Node.js and Express — *IBM*
- Python for Data Science, AI & Development — *IBM*
- Introduction to Cloud Computing — *IBM*
- Git & GitHub Essentials — *IBM*
- Prompt Engineering in ChatGPT — *IBM*
- Java Certification

AWARDS & ACHIEVEMENTS

- **Best Team Player Award** — Recognized for outstanding collaboration in international student support programs.
- **Outstanding Contribution Award** — Honored for cross-cultural engagement and corporate relations initiatives at Rathinam College.
- **Best Performer Badge — C Programming** — Earned for excellence in coding skills during placement training.

LANGUAGES

English (Professional Proficiency) | **Swahili** (Native)