

# AATHIF JAMEEL PM

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## PROFESSIONAL SUMMARY

Final-year B.Tech (AI & Data Science) student with strong backend engineering expertise in Java, Spring Boot, REST APIs, and SQL. Experienced in designing and deploying scalable, production-ready systems serving 5,000+ users. Skilled in data structures, algorithms and system design, with hands-on experience in Docker, CI/CD, and cloud deployment.

## EDUCATION

**Bachelor of Technology (Hons.): Artificial Intelligence and Data Science: 2022-2026**

*Panimalar Engineering College, Chennai, Tamil Nadu, India*

**Higher Secondary (Class XII), Tamil Nadu State Board – Islamia Higher Secondary School, 2022**

## SKILLS

**Programming Languages:** Java, Python, JavaScript, PHP

**Backend & APIs:** Spring Boot, RESTful APIs, JWT Authentication

**Databases:** MongoDB, PostgreSQL, MySQL

**Web Development:** HTML5, CSS3, Tailwind, Bootstrap, React.js

**Mobile App Development:** React Native, Expo

**Tools & Platforms:** Git, GitHub, Jenkins, Maven, ESLint

**Cloud, DevOps & Methodologies:** AWS, GCP, Oracle Cloud, Docker, Kubernetes, CI/CD, Agile Scrum

**System Design:** HLD, LLD

**Core CS Fundamentals:** Data Structures, Algorithms, OOP's

## PROJECTS

**UNIFIED STUDENTS INSIGHT PLATFORM**(PHP, MySQL, JavaScript): [Live Webpage](#) | [GitHub](#) | [Demo](#)

- Built scalable platform for automated feedback and real-time attendance monitoring.
- Supported **10K+ students** and **450+ faculty** across 9 departments.
- Designed optimized MySQL schema to handle large-scale queries with **40% reduced latency**.

**EVENT HUB**(Java, Spring Boot, MySQL, Docker): [Live Webpage](#) | [GitHub](#)

- Developed role-based access system with personalized dashboards and real-time notifications.
- Containerized app with Docker and integrated CI/CD pipeline, enabling **100+ concurrent users**.
- Improved event registration efficiency by **40%** through optimized database design and API performance.

**SPORTSFIESTA**(MERN Stack, Socket.io): [GitHub](#)

- Implemented real-time tournament updates and **role-based dashboards**.
- Integrated **AI-powered** event recommendations and scaled for **100+ participants**.

**AGENT STERLING**(AsyncIO, FastApi): [Live Webpage](#) | [GitHub](#)

- Built a scalable async backend to process 1,000+ social media events/day across Mastodon and Twitter with **95% uptime**.
- Implemented intelligent API **rate limiting**, robust error recovery and modular architecture, ensuring resilience under platform constraints.
- Integrated Gemini Pro LLM + **NLP pipeline**, delivering context-aware automated responses and real-time trend monitoring.

## EXPERIENCE

**Triblet – Full Stack Developer**

**Nov 2024 – May 2025**

- Built multi-sport management platform with **venue booking, demand-based pricing, and split payments**.
- Designed scalable tournament formats (Knockout, League) and a multi-level admin dashboard.
- Optimized Firebase-based architecture for **high availability and real-time sync**.

## ACHIEVEMENTS & EXTRA CURRICULAR ACTIVITIES

- 1st Place, Bit-N-Build Hackathon 2024 (Tamil Nadu Region); finalist in Mumbai finale.
- Top 25/1000+ teams, 100x Engineers AI Agent Hackathon.
- Presented research paper on *AI Healthcare with Federated Learning* at IEEE IConIC 2025.

## CERTIFICATIONS

- Software Engineering Virtual Experience – JPMorgan Chase via Forage (Sept 2025)**  
Completed practical tasks including project setup, Kafka integration, H2 database integration, and REST API development.
- Agile Scrum in Practice, AI Primer Certification, Principle of GenAI certification – **Infosys Springboard**
- OCI 2025 Foundations Associate – **Oracle**
- Cybersecurity Fundamentals – **NASSCOM**