

AKSHAY AHUJA Software Engineer | Backend & AI Systems

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EDUCATION

Bachelor of Engineering, Information Technology, Thadomal Shahani Engineering College - 8.37 CGPA	2023 - Present
Diploma in Computer Engineering, Vivekanand Education Society of Polytechnic - 83.31%	2020 - 2023
Secondary School Certificate, Pet Oxford High School - 92.20%	2019 - 2020

TECHNICAL SKILLS

Programming Languages

Java, Python, JavaScript, TypeScript, PHP, C, C++, SQL

Frameworks/Libraries

Laravel, JDBC, Selenium, Cypress, Junit, Cucumber

Tools & Platforms/Design

Git/GitHub, VS Code, JetBrains IDEs, Postman, Android Studio, XAMPP, Oracle DB, Linux, Figma, Canva, Docker, Kafka, Postgres, Redis, Clickhouse, Apache Airflow

Web Development

HTML5, CSS3, React, Node, REST APIs, jQuery, Bootstrap, MaterializeCSS, TailwindCSS

Soft Skills

Agile Team Collaboration, Problem Solving, Cross-Functional Communication

EXPERIENCE

Software Engineer Intern, One Stop Engineering - Real Estate Platform Development Designed and implemented Access Control Lists (ACL) and Role-Based Access Control (RBAC) to prevent unauthorized data exposure and privilege escalation, ensuring adherence to the principle of least privilege. - Implemented a robust notification system for property visits, leveraging Laravel's queuing to trigger delayed follow-up emails and database alerts, ensuring timely agent engagement and improved lead nurturing efficiency. - Designed an intuitive admin panel with dynamic Kanban-style workflows to centralize property listing management, lead prioritization, and appointment scheduling. Reduced administrative task time through drag-and-drop interfaces and real-time status tracking for properties and leads. - Crafted interactive dashboards using Chart.js and Datatables to visualize KPIs like lead conversion rates, market trends, and agent performance. - Worked within a 6-member Agile team (peers + Scrum Master + product manager) to deliver a full-stack platform.	05/2024 - 12/2024 Mumbai, Maharashtra
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PROJECTS

Slow Query Log Optimizer, Python, FastAPI, MySQL, LLM (OpenAI/Groq), SQLGlot - Built an end-to-end pipeline to autonomously optimize MySQL performance by parsing and analyzing multi-GB slow query logs. - Engineered a tool-driven LLM agent that evaluates execution plans (EXPLAIN) and table statistics to generate high-performance query rewrites and composite index suggestions.	01/2026
Real-Time Crypto Market Platform, Microservices Architecture, Redis, PostgreSQL, Docker, WebSockets, React, Socket.IO, Node.js, Kafka - Built a real-time crypto data streaming platform using a 5-service microservices architecture with Kafka, Redis, PostgreSQL, WebSockets, and Node.js. - Implemented event-driven processing with Redis for live price snapshots and PostgreSQL for historical data. - Implemented a Socket.io gateway enabling real-time push updates to frontend without polling.	09/2025
AI-Driven Agile Project Manager, Laravel, LarAgent, Atlassian Confluence API, Jira REST API, LLM Tooling - Built an AI-powered automation system that converts Confluence Feature Task Requests (FTRs) into Jira Kanban cards end-to-end. - Designed a tool-driven LLM agent using LarAgent, enforcing deterministic execution instead of free-form AI responses. - Created custom agent tools for Confluence retrieval and Jira issue creation with strict schema validation. - Built a CLI-based workflow (php artisan agent:jira) enabling Agile teams to generate sprint-ready boards in seconds.	08/2025
Article Hub, Laravel, ACL, CMS, Gen AI - Architected dynamic prompt generation using blog metadata (title/excerpt) to fuel AI content suggestions, via direct integration with Gemini 2.0. - Developed CMS with access control (admin/editor/author) + media management.	05/2023

OPEN SOURCE CONTRIBUTIONS

phpMyAdmin, Open Source Contributor. Accepted PR #19672 - Resolved inconsistent criteria form visibility in multi-table queries (Issue #1962). - Achieved 100% state synchronization between checkboxes and form visibility.	04/2025
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