

Archit Jain



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SUMMARY

Results-driven Software Engineer with expertise in Java, Python, and SQL, skilled in the full Software Development Life Cycle (SDLC) and Agile methodologies. Experienced in analyzing business requirements, creating technical documentation, designing low-level components, and developing, testing, debugging, and deploying scalable solutions. Adept at data analysis, test scenario design, and proactive issue resolution to ensure high-quality deliverables. Strong collaborator with excellent communication skills, committed to continuous upskilling and delivering cost-effective, reliable, and timely solutions. Experienced in application development within agile application development environments, translating requirement specifications into low-level design components and scalable solutions.

EXPERIENCE

AI/ML INTERN

Defence Research and Development Organisation

June 2024 - August 2024, New Delhi

- Designed and deployed **CNN models** achieving **92% accuracy** for real-time fault detection using **50,000+ labeled images**.
- Applied **data augmentation** to increase dataset diversity by **50%**, reducing error rate by **18%** and improving testing speed by **30%**.
- Improved autonomous lane detection and classification precision by leveraging multi-source datasets, leading to 15% higher operational reliability in field tests.

PROJECT

Customer Relationship Management (CRM) System

Personal • <https://crm-pro-nine.vercel.app/> • June 2025 - July 2025

- Designed and deployed a full-stack CRM using **Next.js, React.js and MongoDB Atlas**, managing 2,000+ customer profiles, 1,500+ monthly orders, and real-time inventory updates.
- Integrated six core business modules, including live order tracking, SLA-based ticketing, and automated marketing campaigns, improving engagement by 25% and reducing ticket resolution time by 20%.
- Developed interactive analytics dashboards for real-time sales monitoring and ROI tracking, accelerating marketing decision-making by 35%.
- Implemented secure role-based access control with JWT authentication and CI/CD pipelines via Vercel, ensuring compliance, security, and zero downtime deployments.
- Executed application development in an agile application development environment, translating requirement specifications into low-level design and implementing features to meet business needs.

Personal Finance Tracker

Personal • <https://github.com/coderheist/Personal-Finance-Tracker/tree/main> • March 2025 – May 2025

- Managed the full Software Development Life Cycle (SDLC) for a MERN stack Personal Finance Tracker, collaborating with stakeholders to gather business requirements and deliver modules for income/expense tracking, dynamic category management, and budget notifications.
- Developed secure user authentication and authorization using JWT, implemented CRUD operations for transactions and categories, and integrated real-time analytics dashboards with Chart.js for category-wise expense visualization and financial summaries.
- Applied Agile practices to iteratively design, validate, and deploy features, including advanced form validation (React Hook Form, Zod, Mongoose), export to CSV/PDF, date/category/type filtering, and responsive UI/UX for optimal mobile and desktop experience.
- Ensured robust error handling, environment variable support, and maintainable code structure, while aligning development with business goals and delivering a scalable, user-centric finance management solution.

EDUCATION

BTECH CS

GLA UNIVERSITY, MATHURA, UTTAR PRADESH • 2026 • 7.86

MOUNT HILL ACADEMY, MATHURA, UTTAR PRADESH • 2022

ST DOMINIC SR SEC SCHOOL, MATHURA, UTTAR PRADESH • 2020

CERTIFICATIONS

Microsoft AI & ML Certificate | Coursera 2025

Google Data Analytics Professional Certificate | Coursera 2024

Agile Six Sigma White Belt | Coursera 2024

SKILLS

Programming Languages – Python, Java, C, JavaScript

Web Development – HTML, CSS, JavaScript, React.js, Node.js, Express.js, Next.js, MySQL, MongoDB

Databases – Cloud & Deployment – Firebase, Vercel

Other Skills – Git, Agile, Github, Leadership, Team Collaboration