

ADITYA YADAV

Software Developer Engineer Intern(0.7 Years)

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WORK EXPERIENCE

SOFTWARE ENGINEER INTERN | AcutusAI Insights Pvt Ltd (August 2025 – Present)

- Led AcutusAI's Ecosystem Expansion: Developed the main website, integrated subdomains, and built the QMAPI marketplace, optimizing backend and frontend systems.
- Built AI-Powered SDaaS: Engineered synthetic data solutions for Healthcare, Logistics, and CX, enabling secure, scalable, and rapid business insights.
- Optimized Survey & Data Platforms: Enhanced Opiniomea with automated survey management, client interactions, and data collection, improving efficiency and engagement.

PROJECTS EXPERIENCE

QMAPI: The Ultimate Online Yield Management API

- Designed and implemented a high-performance caching system using Node.js, Express.js, AWS CloudFront (CDN), and Elastic Load Balancer, achieving a 30% reduction in bandwidth usage and a 50% improvement in response time through advanced LRU caching.
- Developed a scalable panel management platform using the MERN stack, AWS Elastic Beanstalk, Lambda, and ACM, ensuring secure and reliable operations with 99.9% uptime.
- Enhanced survey workflows with machine learning models, leading to a 7% increase in completion rates, 30% higher user engagement, and a 25% improvement in ROI, while reducing response latency to 120ms.

OpinioMea: Elevating Research with Precision and Trust

- Integrated real-time analytics and machine learning models to analyze user behavior and optimize survey targeting, increasing survey completion rates by 25%.
- Built a scalable panel management system using the MERN stack and AWS services (Elastic Beanstalk, DynamoDB, and Lambda), improving panelist segmentation and routing accuracy by 40%.
- Deployed intelligent targeting algorithms with LRU-based caching and CDN (AWS CloudFront), reducing latency by 50% and boosting user engagement with surveys by 30%.

SDaaS – Synthetic Data as a Service

- AI-Driven Synthetic Data Solutions: Developed SDaaS to generate synthetic data for Healthcare, Logistics and more enabling businesses to test, forecast, and personalize offerings.
- Privacy-Focused & Scalable: Engineered high-speed, scalable synthetic data solutions that ensure privacy, security, and adaptability across industries.

ADDITIONAL EXPERIENCE

Machine Learning Tutor | Freelance (SEP 2024 – PRESENT)

- Provided personalized machine learning instruction to a German student, emphasizing hands-on experience, which contributed to their 8.0 GPA and overall academic success.

Open Source Developer PRESENT

- [Apache Airflow](#) – Contributed 10+ times across issues, discussions, and PRs, with 5+ PRs merged. Currently working on 2 PRs. Improved documentation, resolved UI/UX issues, and enhanced workflow management.
- [AnswerDotAI/shell_sage](#) – Implemented query logging in SQLite; PR received 15+ comments.
- [Open-MSS](#) – Reported and troubleshooted Gitpod setup errors.
- [Apache ZooKeeper](#) – Fixed docs license header issues, ensuring compliance and consistency.
- [Apache Maven](#) – Currently work on docs based on issue creating or using custom packaging

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript, C++
- **Frameworks and Libraries:** React, Node.js, Express, Django, FastAPI, Flask, Tensorflow, Pytorch
- **Cloud and Infrastructure:** AWS, Docker
- **Data Management Tools:** MySQL, MongoDB, PostgreSQL
- **Machine Learning Expertise:** Deep Learning, NLP, GenerativeAI

Education --> Delhi University : BS in Mathematics & IIT, Madras : BS in Machine learning and Data Science