

ABHYUDAYA LOHANI

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Present Work Authorization (International student and have US work authorization)

EDUCATION

University of Maryland, College Park

Master of Science in Data Science

Aug 2025 - May 2027

SRM Institute of Science and Technology - India

Bachelor of Technology in Computer Science and Engineering | GPA: 3.7 / 4.0

Aug 2019 - May 2023

EXPERIENCE

Deloitte Touche Tohmatsu India LLP - Chennai, India

Analyst - Java-based Web Application Development

Sep 2023 - July 2025

- **Built a pan-India digital lending platform** for a major public sector bank, automating eligibility with Java-based rules and optimizing e-loan document generation in SQL, doubling processing efficiency, **cutting loan TAT by 75%**, and enabling 60,000 daily disbursements across remote regions while **maintaining 99.95% uptime**.
- **Designed user-centric web interfaces** in JavaScript and led cross-functional integrations of core banking, **LOS/LMS**, and **KYC systems**, boosting engagement and reducing input errors by 80%, improving **NPA-screening** accuracy by 12%, and ensuring smooth handovers for continuous improvement.
- **Streamlined Java/Spring Boot** microservices integrating fintech APIs via typed clients and an in-code API registry, normalizing JSON for downstream services and **increasing data reliability by 25%** while **cutting p95 latency by 20%**.
- **Integrated Java-based business rules** with third-party fintech systems, extracting customer values from JSON payload tags for eligibility and risk checks; standardized field mapping, validation, and error handling to improve rule accuracy and reduce decision **TAT by 30%** with **99.9% uptime**.
- **Provided comprehensive project management** support by coordinating with stakeholders for root cause analysis, troubleshooting production issues, and presenting formal status updates to management teams on development milestones, system performance metrics, and technical learning objectives.

Salesforce Developer Intern

- Spearheaded **Salesforce Cloud CRM** implementation for a major offshore client, resulting in streamlined data management and a 15% increase in lead conversion rates within the first quarter.

SRM Institute of Science and Technology - Chennai, India

Undergraduate Researcher

Mar 2022 - Jun 2022

- Built a hand-gesture recognition system using MediaPipe and OpenCV, optimizing computational performance during a focused research phase, and presented findings to the academic management team with clear learning objectives and implementation roadmaps.

SKILLS

Programming Languages	Python, Java, C++, R, TypeScript/JavaScript (ES6+), Swift, SQL, MySQL, PySpark, Salesforce (Lightning & Apex), Bootstrap
Frameworks & Libraries	React, Node.js, Spring Boot, Flask, NumPy, Pandas, SciPy, MediaPipe, OpenCV, TensorFlow, PyTorch, Matplotlib, Scikit-learn, Keras
Cloud & Big Data Tech	Databricks, Google BigQuery (GCP), Azure Synapse, AWS (S3, EC2, SageMaker), Red Hat OpenShift, PostgreSQL
Tools & Platforms	Git (Version control), Google Analytics, VS Code, Jira, Azure DevOps, Vim, PyCharm, IntelliJ, NetBeans, Xcode, MS Excel
Core Skills	Data Mining, Machine Learning (ML), Deep Learning (DL), Neural Networks, Predictive Modeling, ETL/ELT Data Pipelines, Dashboard Visualizations, LLMs

PROJECTS

Financial Analyst Copilot (AI-Powered RAG System)

2025

LangChain, FAISS, GPT, Retrieval-Augmented Generation (RAG), SEC Filings Analysis, LLMs

- Built an SEC-analysis RAG copilot (10-K/10-Q, earnings transcripts) using LangChain + FAISS and GPT-4o turbo, delivering citation-linked insights with retrieval/faithfulness evals and prompt-safety filters, reducing research time by 40% and keeping p95 latency $\leq 2.0s$.

E-Commerce Sales Intelligence Dashboard

2025

Python, SQL, Pandas, ETL Pipelines, Tableau, Plotly, Business Intelligence

- Developed a BI dashboard with Python/SQL ETL into a star schema across 8 sources and 30+ KPIs (AOV, CAC, LTV), refreshed hourly in Tableau/Plotly, cutting manual reporting by 70% and improving promo ROI by 12%.

PGLife – Interactive Accommodation Finder

2023

React.js, JavaScript, Bootstrap, Full-Stack Development, REST APIs

- Developed a React.js web app with REST APIs, JWT auth, map search, and filters; achieved p95 LCP $< 2.5s$, reduced bounce rate by 18%, and onboarded 2,000+ listings with Lighthouse score 95+.

Sorting Visualizer – Algorithm Efficiency Analyzer

2023

JavaScript, React.js, Data Visualization, Algorithm Design

- Optimized interactive sorting visualizer, decreasing initial load time by 55% through efficient data handling, resulting in a smoother user experience, and supporting custom dataset inputs.