

# SIDHARTH P

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## PROFESSIONAL SUMMARY

Data driven finance professional specialising in **AI, machine learning, and intelligent automation** to enhance financial operations, strengthen compliance, and enable data-backed decisions. Expert in designing and deploying **end-to-end analytics pipelines, generative AI systems, and predictive modelling frameworks** that deliver measurable gains in efficiency, accuracy and cost efficiencies. Recognised for operational excellence, cross-functional collaboration, and advancing AI adoption across global finance functions.

## CORE COMPETENCIES

Financial Planning & Analysis | Machine Learning (Random Forest, XGB, LightGBM, Regression) | Generative AI (RAG, GraphRAG, Agentic AI) | Statistics (Hypothesis Testing, AB Testing) | NLP | FastAPI | Power BI | Python | SQL | Git | Github | Project Management

## PROFESSIONAL EXPERIENCE

**INTEL CORPORATION**, Senior Financial Analyst

Bengaluru, India; October 2022 - Present

### MACHINE LEARNING & AI SOLUTIONS

- Delivered an **AI-powered contract intelligence** system automating **ASC 606** and **SOX** compliance assessments. Extracted and mapped **50+ contract data entities** and **40+ relationship connections** using **Graph-RAG (Neo4j)**, enabling multi-hop reasoning. Reduced **manual review effort** by **75%** and enhanced revenue recognition consistency across contracts.
- Built an **autonomous Python-based workflow** integrating **Llama3.2:3b (local LLM via Ollama)** with **Outlook automation** to intelligently classify and track national statistical survey emails, compute due dates, and trigger reminders, eliminating manual oversight.
- Designed an AI chatbot powered by **Llama3.2:3b** for onboarding statutory auditors, trained on respective **legal entity data, historical audit queries, and working papers** to automate process understanding and documentation guidance, reducing SME dependency and potential accelerating query resolution by **70%** (POC)
- Developed machine learning models** (time-series and classic) **to forecast vendor expenses** and predict accruals, achieving an **80% reduction** in forecasting lead time, enabling proactive **anomaly detection**, and enhancing support for annual planning and close activities.
- Engineered an **end-to-end currency classification engine** that ingests **SAP journal entries** from **Snowflake** via parameterised SQL, applies **fuzzy text clustering**, and classifies functional currencies using a **class-weighted Random Forest** model. Bench-tested across five algorithms and supplemented with rule-based overrides, the system achieved **92% macro F1-score**, reducing manual classification effort by **60%**. (POC)
- Proficient in using **Git** for **version control** to manage and track code effectively.

### PROCESS AUTOMATION & EFFICIENCY

- Optimised processes**, effectively reducing workload equivalent to two full-time employees (FTE).
- Engineered an intelligent in-house** tool to automate complex inter-company operations, achieving a 94% accuracy rate and reducing annual processing time to 60 minutes, saving **~1,000 hours annually**.
- Spearheaded a **transformative overhaul of withholding tax processes**, implementing a fully automated solution that replaced legacy systems and integrated over **50 complex rules**, managing transactions for **600 active vendors** and saving **~1,100 hours annually**.
- Automated Bill of Entries processing using advanced regex, enabling precise data extraction, reducing manual effort, and saving **~600 hours annually**.

### GLOBAL BUSINESS PROCESS TRANSFORMATION

- Led a global initiative** to design and implement real-time **dashboards** for the **Corporate Accounting Office (US)**, enabling performance monitoring across business units worldwide. Collaborated with regional stakeholders to standardise reporting structures, integrated **14 key performance indicators** from **multiple data sources**, and automated end-to-end reporting and visualisation to support faster and more informed decision-making.
- Managed the **migration and automation** of a global national statistics survey from the Malaysia Center of Excellence to India, streamlining the process.

**PROTIVITI CONSULTING**, Senior Consultant

Bengaluru, India; May 2021 - October 2022

- Performed **data-based risk analysis** for startups and Fortune 500 companies, identifying key insights.
- Led an **Anomaly detection initiative** for an e-commerce company, designed and implemented an **ML driven risk assessment framework** to identify high-risk products early, enabling proactive intervention, reducing return rates, and enhancing quality control.
- Automated SQL-based ETL workflows, cutting manual data extraction efforts by 50%.
- Optimised **financial reporting processes via Excel VBA**, reducing reporting time and improving accuracy.

**DELOITTE & TOUCHE**, Senior Executive

Bengaluru, India; March 2020 - April 2021

- Led internal audit and IFC testing across diverse companies, ensuring strong regulatory compliance and control effectiveness.
- Conducted SOX testing, evaluating Test of Design (TOD) and Test of Effectiveness (TOE) for critical financial and operational controls.
- Identified **key operational process gaps** and provided strategic recommendations to enhance efficiency and compliance.
- Reviewed existing operations and assessed process inefficiencies across a Global Delivery Center (GDC) in key areas, including procurement & payables, finance & accounts, human resources & payroll, and statutory compliance.

**GURU & JANA**, Audit Member

Bengaluru, India; December 2015 - April 2019

- Led **cost-reduction initiatives** in manufacturing, identifying key savings opportunities.
- Led the automation of various special projects based on business requirements (*Invoicing, Extraction of information from JPEG files, standard Exploratory Data Analysis templates etc*)
- Managed a team of 15 on special assignments, driving project success and collaboration.

## **EDUCATION**

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**University of Colorado Boulder**

Expected Mar 2027

Candidate - Master of Science in Data Science (Part-Time)

**The Institute of Chartered Accountants of India**, New Delhi, India

Nov 2019

Chartered Accountant

**IGNOU**, Bengaluru, India

May 2021

Bachelor of Commerce (Finance)

## **CERTIFICATIONS**

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Generative AI & Agentic AI Development - Issued by **Boston Institute of Analytics**

Expected Dec 2025

Intel Finance Analytics (L2)

Jul 2024

Machine Learning Advanced Certification - Issued by **SimpliLearn**

Nov 2019

## **AWARDS**

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**Service Recognition Award** from **Intel** for fearless innovation in building multiple in-house automation tools.

**Accelerator Award** from **Protiviti** for handling multiple assignments and successful timely deliverables.