

SKILLS

Programming Languages

Python
Java

Frameworks & Libraries

Oracle APEX
Oracle Forms & Reports
WebLogic 12C
NLP
Pandas

Databases

SQL
PL/SQL

Tools & Technologies

Power BI
Tableau
TOAD for Oracle

Machine Learning

Regression
Clustering
NLP
Time Series Forecasting
Decision Tree
Random Forest
Model Evaluation

Cloud Platforms

AWS, GCP

Project Management

ACHIEVEMENTS

Digital Payroll Transformation

AFCAO, Delhi • 2023

Oversaw the design and implementation of digital payslips and Form 16 integration with Digilocker, enabling seamless accessibility and compliance for all Indian Air Force personnel.

Budget Forecasting Excellence

AFCAO, Delhi • 2023 - 2024

Developed accurate budget forecasts for pay and allowances, earning formal appreciation from ACAS (Accts) in FY 2023- 24 for precise financial planning.

Accomplished financial management and IT systems leader with over 23 years of experience in the Indian Air Force, specializing in data analytics, payroll operations, and digital transformation. Proven track record in managing large-scale financial operations, implementing centralized payroll systems, and applying advanced analytics for strategic decision-making. Holds a Master's in Information Technology and advanced certifications in AI and Data Science. Poised to leverage operational leadership, technical expertise, and analytical skills to drive process optimization and innovation.

PROFESSIONAL EXPERIENCE

INDIAN AIR FORCE

Junior Warrant Officer

Across India • 2002 - Present

- Led a team managing payroll and payment disbursement for all Air Force personnel posted across India, ensuring accuracy and timeliness.
- Automated the generation of Form 16A/B and 24Q, achieving full compliance with income tax filing standards and reducing manual errors.
- Directed the scrutiny and payment of procurement bills, managed unit budgets, and ensured adherence to government procurement rules.
- Oversaw sensitive financial operations, consistently meeting strict deadlines for payroll and taxation compliance under high-pressure conditions.
- Played a pivotal role in transitioning the pay disbursement system from unit-level to a centralized model, streamlining operations and improving efficiency.
- Collaborated with Income Tax Authorities to resolve compliance issues and defaults, enhancing organizational reputation.
- Developed accurate budget forecasts for pay and allowances, earning formal appreciation from ACAS (Accts) in FY 2023-24.
- Contributed to budgeting and audit compliance activities, supporting robust financial governance.

PROJECTS

Capstone Project on Customer Churn Prediction using Machine Learning

2024

- Applied data preprocessing, feature engineering, and machine learning algorithms (Logistic Regression, Decision Trees, Random Forest) to predict customer churn.
- Evaluated models using accuracy, precision, and recall, delivering actionable insights to improve customer retention.

Time Series Forecasting on Financial Data using Python

2024

- Utilized statistical and machine learning models (Pandas, scikit-learn, ARIMA) on financial datasets to forecast budget requirements.
- Enabled improved decision-making and financial planning through accurate forecasting.

Centralized Payroll System Migration

AFCOA, Delhi • 2017

Contributed to the successful migration of pay disbursement from unit-level to a centralized model, streamlining operations and enhancing efficiency in salary disbursement across the IAF.

CERTIFICATES

Government Officer Training in Artificial Intelligence

C-DAC • 2025 - 2025

Gen AI Foundations Certificate

Microsoft x UpGrad • 2025 - 2025

HackerRank SQL(Intermediate)

HackerRank • 2025 - 2025

Oracle 11G Forms & Reports

HCL •

SQL, PL/SQL & Basic DBA

NIIT •

Oracle 12C WebLogic Suite

NIIT •

Preferred Location

Bengaluru | Delhi | Mumbai | Hyderabad | Chennai

NLP Sentiment Analysis on Textual Datasets

2024

- Developed an NLP model for sentiment analysis using machine learning algorithms (NLTK) on text data to extract actionable insights.

Hospital Management System – Java-based Academic Project

Dec 2011 - Dec 2011

- Designed and automated patient management, staff scheduling, billing, and inventory management software to streamline hospital operations.

EDUCATION

Post Graduate Program in Data Science and Business Analytics

University of Texas at Austin & Great Lakes Institute of Management

2023 - 2024 GPA 3.89 / 4.33.

M.Sc. in Information Technology

Punjab Technical University

2009 - 2011 • 68%

POSITION OF RESPONSIBILITY

Head of Payroll & Tax Operations

AFCOA Delhi • 2022 - 2025

Managed income tax deduction, payroll generation, and statutory reporting for all personnel of IAF across India, ensuring compliance and operational efficiency.

Current Certifications (In progress)

PMI Project Management Certification.

AWS and Google Cloud Platform