

Prashant Jacob

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[Portfolio Website](#) | [Linkedin](#) | [GitHub](#) | Alterxy Certified

EDUCATION

- **Post Graduate Diploma, National Institute of Technology Warangal, (NIT)** (2021 - 2022)
Artificial Intelligence and Machine Learning (GPA: 3.50/4)
- **Bachelor of Technology, Chhattisgarh Swami Vivekanand Technical University Bhilai,(CSVTU)** (2018 - 2022)
Electronics and Telecommunication Engineering(CPI: 8.40/10)

SKILLS

- **Programming Languages:** C++, C, HTML, SQL, Python (Pandas, NumPy, SciPy, TensorFlow, Keras, Scikit-learn), Java
- **Data Analysis & ETL Tools:** Excel (Advanced Formulas, Pivot Tables, Macros), Matlab, Informatica, Alteryx
- **Data Visualization:** Tableau, Power BI, Looker
- **Databases:** MySQL, PostgreSQL, Google Firebase, Amazon RDS, Azure SQL Database
- **Machine Learning, AI & Model Deployment:** DVC, CI/CD with Jenkins, Flask, Django, Streamlit, Google Gemini API, ChatGPT API
- **Automation & Testing:** Selenium, TestNG, Zapier
- **Cloud Platforms & DevOps:** Docker, AWS (including Amazon RDS & AWS Lambda), Azure (including Azure SQL Database), Google Cloud Platform (GCP), Version Control (Git)

WORK EXPERIENCE

Business Analyst at Appglide (September 2023 - Present)

Process & Test Automation

- Automated website dashboard monitoring using Python/Selenium, reducing manual effort by 80% (saving \$50K/year from 7 FTEs at ₹25K–35K/month).
- Improved testing accuracy by 35% for a Canadian OTT platform using Java/TestNG, cutting regression cycles by 20% (from 10 to 8 days per release).

Data Analytics & Visualization

- Migrated BI tools to Looker (Google), saving ₹1.2L/year (₹833/user/month for 12 Power BI licenses) and enhancing dashboard-driven decisions.
- Boosted data accuracy by 30% for AI video clients via Salesforce CRM audits (resolving 500+ discrepancies monthly).

Product Development & AI Solutions

- Built a chatbot using Rasa/LLMs (Google Cloud), projected to reduce query resolution time by 40% (from 12hrs to 7hrs avg).
- Improved AI model accuracy by 25% by scraping/cleaning 10K+ web pages (Python/Selenium) for training data.

Cost Optimization & Reporting

- Slashed overpayments from \$70K to \$10K/month for a U.S. automotive client (Automated 5K+ transactions using Python).
- Cut manual reporting by 15hrs/week via Slack competitor analysis (Zapier + ChatGPT API, processing 200+ messages daily).

Team Collaboration

- Trained 7 non-technical staff in Python basics (20+ hours of workshops), boosting productivity by 20% (tasks completed/day).
- Documented workflows for data reconciliation, reducing handover time by 50% (from 4 weeks to 2 weeks).

Business Analyst Trainee at MedTourEasy

(November 2022 - December 2022)

- Supported KPI development and data analysis for hospital performance, contributing to process improvement initiatives.
- Created Tableau dashboards to visualize patient data and discount policies, aiding stakeholder decision-making.
- Designed presentations to communicate insights on profitability and patient experience to senior leadership.

Business Analyst Intern at iNeuron

(September 2021 - April 2022)

- Assisted in sales trend analysis using Python and ETL techniques, focusing on revenue growth strategies.
- Developed Power BI dashboards to visualize monthly/yearly sales trends and support team discussions.
- Contributed to codebase maintenance on GitHub, adhering to PEP-8 standards for readability and scalability.

Matlab Developer Intern at Small Wonders Academy

(July 2020 - August 2020)

- Automated data processing and graph generation using MATLAB, reducing manual effort for academic projects.
- Streamlined workflows by designing reusable functions for data manipulation and visualization.

Telecom Engineer Intern at South Eastern Coalfields Limited (SECL)

(July 2019 - August 2019)

- Assisted in deploying IP cameras and VHF systems to enhance site security and communication reliability.
- Supported engineering teams in maintaining rugged network infrastructure for mining operations.

PERSONAL PROJECT

Supply Chain Shipment Analysis Dashboard: Alteryx + Tableau

- Created a supply chain shipment analysis dashboard using Alteryx, Tableau & Excel focusing on key metrics such as vendor performance, inventory optimisation, cost analysis, and product classification.
- Demonstrated expertise in data management, compliance, cleaning, ETL, and visualisation.

Bank Card Prediction Web App: Machine Learning + Django + Azure

- Developed a web app using machine learning (RandomForestClassifier) and Django framework to predict the type of card a customer may issue for a bank. Implemented CI/CD pipelines for Azure deployment.