

# Nisarga Prakash

San Francisco, CA | +1 (773) 828 7199 | [nisargaparakash25@gmail.com](mailto:nisargaparakash25@gmail.com) | [LinkedIn](#)

## SUMMARY

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- Business Data Analyst with around 6 years of experience in analyzing, visualizing, and optimizing business operations through data-driven insights.
- Expert in leveraging Python and SQL for advanced data modeling, statistical analysis, and data wrangling, while developing interactive dashboards in Tableau and Power BI to enable data-driven decision-making and enhance business performance.
- Well-versed in preparing comprehensive documentation such as BRD, FRD, and SRS, ensuring clarity and alignment between technical and business requirements.
- Skilled in performing GAP, SWOT, risk, and impact analyses to identify process inefficiencies, while leveraging cloud platforms to design scalable, data-driven solutions that enhance operational efficiency and support strategic decision-making.
- Demonstrated expertise in managing data across multiple databases such as MySQL, PostgreSQL, SQL Server, and Snowflake while ensuring accuracy and consistency.
- Strong command of project management tools like Jira, MS Project, and Confluence for tracking deliverables and maintaining stakeholder communication.

## SKILLS

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**Programming Languages:** Python, R, SAS, SQL, PL/SQL

**Documentation:** BRD, FRD, SRS

**Analytical & Statistical Packages:** NumPy, Pandas, Matplotlib, Seaborn, SciPy, Scikit-learn, TensorFlow, ggplot2

**Data Visualization Tools:** Tableau, Power BI, Looker, Dash

**Project Management:** Jira, Gantt Charts, Risk Logs, Meeting Notes, Project Scheduling

**Planning & Documentation:** Project Scheduling, Risk Management, Reporting

**Analysis Skills:** Cost/Benefit Analysis, Risk Analysis, SWOT, Impact Analysis, GAP Analysis, Data Cleaning, Data Wrangling

**Microsoft Tools:** MS Project, MS Excel (Advanced), MS SharePoint, MS Word, MS PowerPoint

**Cloud Technologies:** AWS, Azure, Snowflake, GCP, Databricks

**Databases:** MySQL, PostgreSQL, SQL Server, Oracle, MongoDB

**Version Control Tools:** Git, GitHub, GitLab

**Other Skills:** Confluence, HP Quality Center, JAD, RTM, Grafana, Stakeholder Communication, Cross-Functional Collaboration

**Methodologies:** SDLC, Agile, Scrum, Waterfall, Change Management

## EXPERIENCE

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**AIG**

**Jan 2025 - Present**

**Sr. Business Data Analyst**

**USA**

- Established SAS and SQL scripts to process and analyze large insurance datasets, improving data extraction efficiency by 30% and ensuring accurate reporting
- Authored SRS documents, capturing functional and non-functional requirements for underwriting and claims analytics workflows, improving stakeholder alignment by 25%
- Built predictive models using Scikit-learn to forecast claims trends and policy risk, increasing the accuracy of risk assessments
- Considered interactive dashboards and reports in Looker and Dash, enabling real-time visualization of policy performance, claims metrics, and operational KPIs, reducing reporting time by 35%
- Conducted GAP analysis, data cleaning, and data wrangling to standardize and validate structured and unstructured datasets, improving data quality and reliability by 40%
- Supported data ingestion processes using tools such as Apache Spark, Kafka, and SQL for real-time and batch data processing
- Streamlined KPI tracking and reporting by performing advanced Excel analysis and managing scalable, secure cloud-based data pipelines on Databricks and MongoDB
- Collaborated with QA teams using HP Quality Center and JAD sessions, validating system outputs, refining analytics models, and ensuring alignment with business requirements

**BrownFrame Technologies**

**Aug 2021 - Dec 2023**

**Business Data Analyst**

**India**

- Established SAS and SQL scripts to process and analyze large insurance datasets, improving data extraction efficiency by 30% and ensuring accurate reporting
- Authored SRS documents, capturing functional and non-functional requirements for underwriting and claims analytics workflows, improving stakeholder alignment by 25%

- Built predictive models using Scikit-learn to forecast claims trends and policy risk, increasing the accuracy of risk assessments
- Considered interactive dashboards and reports in Looker and Dash, enabling real-time visualization of policy performance, claims metrics, and operational KPIs, reducing reporting time by 35%
- Conducted GAP analysis, data cleaning, and data wrangling to standardize and validate structured and unstructured datasets, improving data quality and reliability by 40%
- Supported data ingestion processes using tools such as Apache Spark, Kafka, and SQL for real-time and batch data processing
- Streamlined KPI tracking and reporting by performing advanced Excel analysis and managing scalable, secure cloud-based data pipelines on Databricks and MongoDB
- Collaborated with QA teams using HP Quality Center and JAD sessions, validating system outputs, refining analytics models, and ensuring alignment with business requirements.

**Sage Softtech**

**Jan 2019 - Jul 2021**

**Business Analyst**

**India**

- Advanced and deployed interactive Power BI dashboards to monitor financial performance, cost allocation, and KPIs, reducing reporting turnaround time by 40% and driving data-backed executive decision-making
- Led comprehensive cost-benefit analyses for system enhancement proposals, uncovering operational savings of over 20% and optimizing overall budget and resource utilization
- Planned and tracked project timelines, milestones, and risks using MS Project and stakeholder documentation, achieving 95% on-time delivery within Waterfall and hybrid Agile frameworks
- Administered and fine-tuned relational databases such as MySQL, SQL Server, and Snowflake, improving query execution and reporting efficiency by 30% across enterprise financial systems
- Operated Azure cloud infrastructure to design secure and scalable data storage pipelines, reducing data processing latency by 25% and increasing overall system reliability
- Executed Git-based version control and real-time project monitoring through RTM and Grafana, improving project visibility, traceability, and collaboration efficiency by 35%

**EDUCATION**

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**Master of Science, Business Analytics**

**Jan 2024 - Aug 2025**

DePaul University, Chicago, IL, USA

**Bachelor of Engineering, Electronics and Communication Engineering**

**Aug 2016 - Sep 2020**

Visvesvaraya Technological University, Belgaum, KA, India