NANDINI ANAND KUMAR

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EDUCATION

The University of Texas at Austin – McCombs School of Business   May 2026
Master of Science, Business Analytics
- Coursework Includes: Machine Learning, Product Management, Data Management & Analytics, Financial Analysis

Anna University |Chennai, India   April 2020
Bachelor of Engineering | Electronics and Communication | GPA: 8.55/10

TECHNICAL SKILLS

- **Programming & Analytics:** Python, R, SAS; SQL & Databases (MySQL, NoSQL, Google BigQuery); Snowflake, Databricks, dbt, A/B Testing, statistical analysis, ETL, EDA; Excel (Pivot Tables, Power Query, VBA, KPI reporting, XLOOKUP)
- **Business Analysis:** Requirements gathering (BRD/FRD), user stories, stakeholder management, data modeling, process mapping, gap analysis, Agile/Scrum, risk analysis, hypothesis testing, Data storytelling, data validation, Backlog grooming
- **Data Visualization & Tools:** Power BI, Tableau, Looker, QlikView, Alteryx, Jira, Confluence, GitLab, Azure Boards, Docker
- **Cloud Platforms:** Microsoft Azure, Amazon Web Services (AWS), Google Cloud Platform (GCP)
- **Certifications:** SAFe® 5 Scrum Master, Databricks – Gen AI, ML and AI in Google Cloud, Analytics on SAS
- **Awards:** Expeditors - Confidence Award • Four times SPOT Award • HPE - Best Performance Award

PROFESSIONAL EXPERIENCE

Expeditors International – Chennai, India
Business Analyst II   February 2024 – May 2025
- Led cross-functional stakeholder workshops to gather and prioritize requirements and authored business requirements documentation, aligning business needs with analytics solutions that improved visibility and decision-making
- Translated ambiguous ERP tieback requirements into structured technical specifications using ETL, feature engineering, data modeling with SQL, Python, and Excel analysis, accelerating delivery timelines by 20% across 33+ countries
- Spearheaded user acceptance testing (UAT) in partnership with stakeholders, ensuring solution readiness and lowering post-release defects by 15%
- Evaluated shipment delivery performance across carriers using A/B testing and KPI comparisons (error rates, delays, exceptions), driving targeted process improvements and reducing shipment errors by 18%
- Designed and automated Tableau dashboards powered by Snowflake analytics tables for monitoring shipments, rejection trends, and operational KPIs, accelerating data-driven decision-making that improved operational efficiency by 36%

Associate Business Analyst   February 2022 – January 2024
- Conducted data cleaning and exploratory data analysis (EDA) on US customs IT processes, identifying inefficiencies and supporting solution design and documentation that improved process clarity by 30%
- Streamlined queries and reporting workflows using SQL and Python, reducing manual effort in tasks by 20%

Hewlett Packard Enterprise – Bangalore, India
Cloud Engineer   November 2020 – January 2022
- Implemented restricted cloud architecture using Ansible automation, including sandbox testing, documentation, and customer presentations, improving delivery efficiency by 31% and strengthening system security
- Automated Azure services with Terraform, streamlining and reducing manual configuration effort by 40%

ANALYTICAL PROJECTS

Google (Capstone Project) – AI-Driven Incident Analysis & Root Cause Identification   Present
- Collaborating with Google's AI/ML team to build a computer vision pipeline on GCP that detects and classifies workplace safety incidents from Big Data video streams
- Leveraging Vertex AI–hosted LLMs with RAG to generate incident summaries and preliminary root cause analysis grounded in safety documentation Tools: Python, SQL, GCP (Vertex AI), Vector Embeddings, LLMs, RAG, Prompt Engineering

End-to-End Data Warehouse & AI Insights Platform for Medical Review Analytics   December 2025
- Enabled scalable analytics by building a Snowflake-based pipeline using the Medallion Architecture, integrating 19K+ medical review records into a single reporting layer
- Architected star-schema data models and automated ETL processes, utilizing Cortex AI for sentiment analysis, summarization, and semantic search on unstructured clinical data
- Developed interactive Streamlit dashboards to visualize overturn trends, demographic disparities, and high-risk diagnosis–treatment patterns Tools: Snowflake, SQL, Streamlit, Snowflake Cortex AI