[Your Name]

[Your Contact Information - e.g., Email, Phone, LinkedIn Profile URL (optional)]

Experience

Data Analyst | California State University-Long Beach - College of Business

Nov 2024 – May 2025 (7 months) | United States

- Delivered executive-ready dashboards, enhancing visibility into strategic KPIs and improving metric accessibility by 40%.

- Built forecasting models that cut procurement lags by 30%, leading to reduced stockouts and improved inventory flow.

- Established anomaly detection procedures, decreasing data discrepancies by 25% and strengthening reporting accuracy.

- Spearheaded UAT cycles, incorporating real-time user input into iterative product enhancements.

- Mentored stakeholders in dashboard usage, resulting in a 50% surge in self-service analytics adoption.

- Introduced documentation standards that improved process consistency across analytics functions.

Data Management Specialist | Chegg India · Freelance

Oct 2020 – Aug 2023 (2 years 11 months) | India · Remote

- Solved 30+ student-submitted problems daily, providing step-by-step solutions using statistical methods such as linear regression, logistic regression, ANOVA, hypothesis testing, chi-square tests, descriptive statistics, and probability distributions.

- Authored over 1,000 structured tutorials covering core concepts including confidence intervals, correlation analysis, central limit theorem, sampling techniques, and p-value interpretation.

- Translated complex statistical topics into accessible explanations for a diverse, global student base.

- Maintained a high content accuracy and satisfaction rating through clarity, correctness, and prompt delivery.

- *Skills: Analytical Skills, Statistics*

Data Analyst | BSC & A Partners · Full-time

May 2022 – Jul 2023 (1 year 3 months) | India · On-site

- Automated routine reports, slashing turnaround time by 35% and recovering 15+ analyst hours monthly.

- Partnered with cross-functional teams to define scalable data templates, reducing late-stage revision cycles by 40%.

- Audited ERP integrations, identifying over 120 inconsistencies that were resolved ahead of go-live.

- Championed dashboard QA during platform migration, preserving metric integrity across 50+ assets.

- Facilitated recurring root-cause sessions that accelerated QA resolution rates by 45%.

- Authored onboarding content used by new hires, shrinking ramp-up time and standardizing analytics delivery.

- Launched KPI frameworks tied to leadership goals, streamlining reporting and enabling quicker decision cycles.

- Conducted stakeholder interviews to align data needs with delivery models, enhancing stakeholder satisfaction by 20%.

- Introduced reusable dashboard templates, reducing development time by 30% across multiple reporting teams.

- *Skills: Analytical Skills, Business Analysis Planning & Monitoring*

Internshala Student Partner | Internshala · Internship

Oct 2021 – Dec 2021 (3 months) | India

- Educated over 200 students about Internshala's resources, programs, and services.

- Coordinated 3 workshops, 6 information sessions, and interview preparation.

- Collaborated with 20 academic staff and guidance counselors to enhance student success.

- *Skills: Troubleshooting, Negotiation*

Projects

AI Logistics Optimization Agent – Interactive ML-Powered Delivery Mode Recommender

Apr 2025 – May 2025

- Designed an intelligent decision-support tool using Python, Streamlit, and scikit-learn that recommends the optimal delivery mode (LTL, TL, Drayage, Transload) based on shipment attributes like distance, weight, and urgency.

- Integrated machine learning with rule-based logic, confidence scoring, cost/ETA estimation, and a self-learning loop via decision logs.

- Deployed an interactive UI with filtering, visualization, and retraining capabilities.

- *Skills: Python (Programming Language), Streamlit, scikit-learn, pandas, Matplotlib, Seaborn*

- GitHub - krishnavyas36/AI_agent

Retail Sales Forecasting & Automation

Feb 2025 – May 2025

- Built a real-world sales forecasting and reporting pipeline using Python, DuckDB, Prophet, Power BI, and Ollama, analyzing Walmart's weekly store sales to identify trends and build 3-month forecasts.

- Automated weekly email delivery of executive summaries generated by LLMs using n8n cloud.

- **Key Highlights:**

  o Queried sales trends using DuckDB with SQL-like syntax.

  o Forecasted weekly revenue with Prophet (92% accuracy on test data).

  o Created interactive Power BI dashboards for store-level insights.

  o Generated executive summaries using Ollama with LLaMA2.

  o Automated summary and forecast delivery via n8n + SMTP.

- *Skills: Python (Programming Language), DuckDB, Prophet, Power BI, pandas, Large Language Models (LLM), Matplotlib, Simple Mail Transfer Protocol (SMTP)*

- GitHub - krishnavyas36/full_workflow_n8n

Chocolate Sales Analysis – Tableau Storytelling

Mar 2025 – Apr 2025

Associated with California State University-Long Beach - College of Business

- Developed a dynamic Tableau storytelling dashboard to analyze chocolate sales data from Kaggle.

- Visualized key KPIs including $6.18M total revenue and 177K+ units shipped.

- Built interactive dashboards showcasing monthly sales trends, product-level insights, regional performance, and salesperson efficiency.

- Identified top-performing products and salespersons; provided data-driven recommendations to expand into underperforming markets.

- Leveraged animated visualizations and advanced filters for deeper analytical storytelling to support business decision-making.

Automated Data Entry & Form Submission Tool

Feb 2025 – Feb 2025

- Developed a Python-based automation script using Selenium and Requests to extract visa-sponsoring companies' career pages and auto-fill forms.

- Scraped career sites using SERPAPI and BeautifulSoup, retrieving job postings for visa-sponsored roles.

- Processed Excel datasets with Pandas and OpenPyXL, dynamically searching company websites and updating career page URLs.

- Automated form submissions using Selenium, reducing manual effort in job applications by 90%.

- *Skills: Web Scraping, Automation, Python (Programming Language), Microsoft Excel, Selenium WebDriver, Selenium*

Taxi Booking Wireframe Application

Jan 2025 – Jan 2025

Associated with California State University-Long Beach - College of Business

- Designed and developed a wireframe prototype for a taxi booking application using JustMind, improving user experience and interface navigation.

- Conducted user research and competitor analysis to identify key features such as real-time ride tracking, fare estimation, and driver ratings.

- Created interactive prototypes with a focus on usability, accessibility, and intuitive UI design.

- Collaborated with peers for feedback and iteration, refining the design for better usability and accessibility.

- *Skills: Wireframing*

Exide DTSC Clean-Up Project Management Application

Aug 2024 – Dec 2024

Associated with California State University-Long Beach - College of Business

- Served as Product Owner for a web application designed to track contamination cleanup.

- Led 5+ sprints, consistently delivering on time with 95% stakeholder satisfaction.

- *Skills: Agile Project Management*

Facial Expression Recognition for Emotion Analysis

Aug 2024 – Dec 2024

Associated with California State University-Long Beach - College of Business

- Classified 35,000+ images from the FER2013 dataset into seven emotions with 66% accuracy.

- Boosted model performance by 20% using data augmentation and hyperparameter tuning.

- Proposed use cases across three industries: healthcare, customer service, and security.

- *Skills: Convolutional Neural Networks (CNN), Recurrent Neural Networks (RNN)*

- GitHub - krishnavyas36/Facial_expression_rcognition

Real-Time News Popularity Forecasting

Aug 2024 – Dec 2024

Associated with California State University-Long Beach - College of Business

- Analyzed 39,644 Mashable articles to forecast popularity with a 73% accuracy rate.

- Optimized 10+ features, including keywords and timing, for predictive modeling.

- Delivered insights that improved content strategies by 25% in test scenarios.

- *Skills: Deep Learning, Data Visualization, Random Forest, Machine Learning, Recurrent Neural Networks (RNN)*

- GitHub - krishnavyas36/Deep_learning_structured

Power BI Analysis: Spotify

May 2024 – Aug 2024

- *Skills: Power BI, Data Visualization, Data Analytics, Business Intelligence (BI)*

Power BI Analysis: Nike USA Shoe sales

Jan 2024 – May 2024

- Implemented interactive features such as slicers, filters, and drill-through functionality to enable users to explore sales data.

- Created visually appealing dashboards to visualize Nike sales trends over time and by region.

- Conducted a comprehensive analysis of Nike data using Power BI to provide deeper insights to users.

- *Skills: Power BI, Data Visualization*

Sports Arena Management System

Jan 2024 – Apr 2024

Associated with California State University-Long Beach - College of Business

- Designed and implemented a relational database system from scratch to manage arena bookings, payments, and scheduling workflows.

- Created detailed Entity-Relationship (ER) diagrams using Draw.io to map system architecture and ensure robust relational integrity.

- Developed optimized SQL schemas and queries to handle real-time transactions, enhancing operational efficiency and accuracy.

- Improved data organization, integrity, and security, enabling seamless management of multi-event scheduling and customer transactions.

- Delivered a scalable, user-centric backend solution that streamlined arena operations — from data entry to reporting — with no dropped tasks.

- *Skills: Database Management System (DBMS), SQL, ER Modeling, Transaction Management, Business Process Improvement*

Budget And Expenses Tracker App

Jan 2024 – Mar 2024

- Developed an easy-to-use budget tracking application capable of performing CRUD (Create, Read, Update, Delete) operations.

- Utilized pandas to integrate Python with Excel for data storage and modification.

- *Skills: Python (Programming Language), Microsoft Excel*

- GitHub - krishnavyas36/Budget-Tracker-and-Analysis

YouTube Channels Performance Analysis

Aug 2023 – Dec 2023

Associated with California State University-Long Beach - College of Business

- Leveraged a publicly available dataset to analyze factors influencing YouTube channel revenue and performance.

- Employed extensive data cleaning techniques to ensure data integrity and accuracy.

- Conducted statistical analysis using SPSS software, running various simulations to identify key variables.

- *Skills: Data Visualization, IBM SPSS*

Contacts App

Aug 2023 – Oct 2023

Associated with California State University-Long Beach - College of Business

- Created a user-friendly Contacts Management application with an intuitive interface.

- Implemented CRUD operations for effective contact management.

- *Skills: Django, Microsoft Excel, Python (Programming Language)*

- GitHub - krishnavyas36/Krishna_vyas

Multi Objective Optimization on Wire Spark Erosion Machining of Nickel Alloy Using Taguchi Based Grey Approach

Dec 2017 – Jun 2018

Associated with Jawaharlal Nehru Technological University, Anatapur

- Applied Taguchi's Design of Experiments (DOE) and Grey Relational Analysis to optimize Wire Electrical Discharge Machining (WEDM) parameters for Nickel Alloy Monel 400.

- Collected experimental machining data across varying Pulse On Time (μs), Pulse Off Time (μs), and Peak Current (A) settings.

- Performed multivariate statistical analysis to identify optimal parameter combinations maximizing Material Removal Rate (MRR) and minimizing Surface Roughness (SR), Dimensional Deviation (DD), and Kerf Width (KW).

- Developed predictive insights through data-driven optimization techniques, improving operational efficiency and quality control in advanced manufacturing processes.

- Demonstrated strong proficiency in experimental design, data preprocessing, statistical modeling, and multi-objective decision-making.

- *Skills: Data Analysis, Statistical Data Analysis, Statistical Reporting, Multivariate Analysis, Predictive Analytics, Design of Machine, Design Analysis*

Big Data Analytics: Business Value and Limitations

Associated with California State University-Long Beach - College of Business

- Explored how Amazon, Spotify, and healthcare organizations leveraged big data for personalization, operational savings, and research insights.

- Evaluated challenges such as data quality, algorithmic bias, and ethics in big data usage.

- Proposed strategies to optimize business value from analytics initiatives.

COVID-19 Supply Chain Disruption and Digital Transformation

Associated with California State University-Long Beach - College of Business

- Studied global supply chain breakdowns during COVID-19 and the role of digital tools like IoT, AI, and real-time analytics in recovery.

- Proposed strategies for resilience: supply chain mapping, risk diversification, predictive analytics, and cloud-based logistics platforms.

- Highlighted the importance of technology integration for future-proofing operations.

Equifax Data Breach: Cybersecurity and Compliance Failures

- Investigated the 2017 Equifax data breach, identifying vulnerabilities in patch management, encryption, and executive accountability.

- Recommended cybersecurity improvements, proactive auditing, and stronger compliance measures.

- Emphasized best practices in data privacy, breach prevention, and regulatory alignment.

Project JEDI: Cloud Strategy for U.S. Department of Defense

Associated with California State University-Long Beach - College of Business

- Evaluated the Joint Enterprise Defense Infrastructure (JEDI) project to modernize defense IT via a secure, centralized cloud environment.

- Analyzed vendor selection challenges, cybersecurity concerns, and cloud modernization strategies.

- Assessed management, organizational, and technological factors driving large-scale cloud adoption.

Should an Algorithm Make Our Decisions?

- Analyzed ethical dilemmas in automated decision-making, including algorithmic bias, transparency gaps, and accountability issues.

- Recommended frameworks balancing automation with human oversight for fair and responsible AI systems.

- Emphasized the importance of data quality, diverse development teams, and regulatory standards.

Textron Moves ERP to the Cloud

Associated with California State University-Long Beach - College of Business

- Assessed Textron's migration from legacy ERP to Oracle Enterprise Cloud for enhanced flexibility, real-time reporting, and operational efficiency.

- Studied stakeholder collaboration, cloud adoption best practices, and change management during ERP implementation.

- Highlighted cloud-driven improvements in decision-making, cost savings, and scalability.

Education

California State University-Long Beach - College of Business

Master of Science - MS, Management Information Systems, General

Aug 2023 – May 2025

Grade: 3.9

Skills: Data Analysis, Agile Methodologies

Jawaharlal Nehru Technological University, Anatapur

Bachelor of Engineering - BE, Mechanical Engineering

Skills: Supply Chain Management, Operations Management

Licenses & Certifications

- Automating Real-World Tasks with Python - Google (Issued Apr 2025)

- Databricks Fundamentals Accreditation - Databricks (Issued Apr 2025)

- Google AI Essentials - Google (Issued Apr 2025)

- Google IT Automation with Python - Google (Issued Apr 2025)

- Introduction to Git and GitHub - Google (Issued Apr 2025)

- Troubleshooting and Debugging Techniques - Google (Issued Apr 2025)

- Crash Course on Python - Google (Issued Mar 2025)

- AWS Academy Graduate - AWS Academy Machine Learning Foundations - Amazon Web Services (AWS) (Issued Feb 2025)

    - *Skills: Amazon Web Services (AWS)*

- Data Analysis with R Programming - Google (Issued Feb 2025)

- Enterprise Design Thinking - Team Essentials for AI - IBM (Issued Feb 2025)

    - *Skills: Analytics*

- Enterprise Design Thinking Co-Creator - IBM (Issued Feb 2025)

- Enterprise Design Thinking Practitioner - IBM (Issued Feb 2025)

- Google Data Analytics Capstone: Complete a Case Study - Google (Issued Feb 2025)

- Google Data Analytics Specialization - Google (Issued Feb 2025)

- Analyze Data to Answer Questions - Google (Issued Jan 2025)

- Ask Questions to Make Data-Driven Decisions - Google (Issued Jan 2025)

- Foundations: Data, Data, Everywhere - Google (Issued Jan 2025)

- Prepare Data for Exploration - Google (Issued Jan 2025)

- Process Data from Dirty to Clean - Google (Issued Jan 2025)

- Share Data Through the Art of Visualization - Google (Issued Jan 2025)

- Alteryx Designer Core Micro-Credential: Data Transformation - Alteryx SparkED (Issued Sep 2024)

  - *Skills: Alteryx, Analytics*

- Joining Data in SQL - DataCamp (Issued Mar 2024)

  - *Skills: Analytics, Data Visualization, SQL*

- Project Management Foundations: Schedules - LinkedIn (Issued Mar 2024)

  - *Skills: Project Scheduling*

- Project Management Foundations: Ethics - LinkedIn (Issued Feb 2024)

  - *Skills: Business Ethics*

- Project Management Foundations: Requirements - LinkedIn (Issued Feb 2024)

  - *Skills: Requirements Management*

- Accenture North America - Data Analytics and Visualization Job Simulation - Forage (Issued Jan 2024)

- Predictive Analytics Essential Training: Data Mining - LinkedIn (Issued Jan 2024)

  - *Skills: Data Visualization, Predictive Analytics, Data Mining*

- Project Management Foundations - LinkedIn (Issued Jan 2024)

  - *Skills: Project Management, Data Visualization*

- AWS Academy Graduate - AWS Academy Cloud Foundations - Amazon Web Services (AWS) (Issued Nov 2023)

  - *Skills: Amazon Web Services (AWS)*

- Cognizant - Agile Methodology Job Simulation - Forage (Issued Nov 2023)

- Python: Working with Files - LinkedIn (Issued Nov 2023)

- o *Skills: File Handling, Python (Programming Language)*

- Red Bull - On-Premise Sales Job Simulation - Forage (Issued Nov 2023)

- Excel Fundamentals for Data Analysis - Macquarie University (Issued Oct 2021)

  - o *Skills: Business Analytics*

- Building Digital Media using Graphic Design in Google Slides - Coursera Project Network (Issued Jul 2020)

- Strategic Business Management - Macroeconomics - University of California, Irvine (Issued Jul 2020)

  - o *Skills: Business Analytics*

- Unsupervised Machine Learning for Customer Market Segmentation - Coursera Project Network (Issued Jul 2020)

- Introduction to Mechanical Engineering Design and Manufacturing with Fusion 360 - Autodesk (Issued Jun 2020)

- Machine Learning for All - University of London (Issued Jun 2020)

- Programming for Everybody (Getting Started with Python) - University of Michigan (Issued May 2020)

  - o *Skills: Python (Programming Language)*

- Python Data Structures - University of Michigan (Issued May 2020)

  - o *Skills: Python (Programming Language)*

- Google Data Analytics - Google

- Intermediate Python - DataCamp

- Introduction To Tableau - DataCamp

  - o *Skills: Tableau*

- Introduction to Databases in Python - DataCamp

- Introduction to SQL - DataCamp

  - o *Skills: SQL*

- Introduction to Python - DataCamp

- *Skills: Python (Programming Language)*

Skills

- **Tools & Technologies:**
  - Ollama (LLM)
  - n8n
  - Gmail SMTP
  - DuckDB
  - Prophet
  - Streamlit
  - scikit-learn
  - pandas
  - Matplotlib
  - Seaborn
  - MongoDB
  - Visio
  - Django
  - Selenium WebDriver
  - Selenium
  - Alteryx
  - Power BI
  - Tableau
  - Convolutional Neural Networks (CNN)
  - Recurrent Neural Networks (RNN)
  - Random Forest
  - IBM SPSS
  - Microsoft Excel

- o SOLIDWORKS

- o AutoCAD

- o Simulink

- o Oracle Database

- o C (Programming Language)

- o Python (Programming Language)

- **Data & Analytics:**

  - o Large Language Models (LLM)

  - o Simple Mail Transfer Protocol (SMTP)

  - o Calculus

  - o E R Modeling

  - o Multivariate Analysis

  - o Statistical Reporting

  - o Business Analysis

  - o Web Scraping

  - o Automation

  - o Wireframing

  - o Quality Assurance

  - o Data Analysis

  - o Business Data Analysis

  - o Amazon Web Services (AWS)

  - o Troubleshooting

  - o Data Visualization

  - o Analytical Skills

  - o Statistics

  - o Data Analytics

- Analytics
- Business Intelligence (BI)
- Database Management System (DBMS)
- Deep Learning
- Data Entry
- IT Business Analysis
- Forecasting
- Data Science
- Predictive Analytics
- Statistical Data Analysis
- SQL
- File Handling
- Data Mining

- **Project & Business Management:**
  - Transaction Management
  - Business Process Improvement
  - Design Analysis
  - Public Speaking
  - Leadership
  - Business Requirements
  - Agile Methodologies
  - Communication
  - Negotiation
  - Coding Practices
  - Agile Project Management
  - Business Analysis Planning & Monitoring

- o Project Management

- o Project Scheduling

- o Business Ethics

- **Engineering & Operations:**

  - o Supply Chain Management

  - o Operations Management

  - o Finite Element Analysis (FEA)

  - o Automotive

  - o Rapid Prototyping

  - o Industrial Engineering

  - o Manufacturing

  - o Heat Transfer

  - o Personal Development

  - o Machine Design

  - o Industrial Design

  - o Computational Fluid Dynamics (CFD)

  - o Metrology

  - o Fluid Mechanics

  - o Machine Tools

  - o Design of Machine

  - o Engineering

- **Interpersonal & Soft Skills:**

  - o Critical Thinking

  - o Problem Solving

  - o Teamwork

  - o Management Information Systems (MIS)

o   Machine Learning

Courses

- Business Data Analysis (IS610) - California State University-Long Beach - College of Business

- COMPUTER AIDED ENGINEERING DRAWING - Jawaharlal Nehru Technological University, Anatapur

- Database Management (IS680) - California State University-Long Beach - College of Business

- Deep Learning For Business (IS 675) - California State University-Long Beach - College of Business

- ENGINEERING CHEMISTRY LAB - Jawaharlal Nehru Technological University, Anatapur

- ENGLISH LANGUAGE LAB - Jawaharlal Nehru Technological University, Anatapur

- Engineering Chemistry (16BT1BS01) - Jawaharlal Nehru Technological University, Anatapur

- Information Systems Project (Is 699) - California State University-Long Beach - College of Business

- Machine Learning for Business Analytics (IS670) - California State University-Long Beach - College of Business

- Management Information Systems (IS602) - California State University-Long Beach - College of Business

- Matrices and Numerical Methods (16BT1BS03) - Jawaharlal Nehru Technological University, Anatapur

- Multi-Variable Calculus and Differential Equations (16BT1BS04) - Jawaharlal Nehru Technological University, Anatapur

- PROGRAMING IN C - Jawaharlal Nehru Technological University, Anatapur

- PROGRAMMING IN C LAB - Jawaharlal Nehru Technological University, Anatapur

- Programming for Business Analytics (Is 640) - California State University-Long Beach - College of Business

- Responsible Artificial Intelligence (IS 671) - California State University-Long Beach - College of Business

- System Analysis and Design (IS685) - California State University-Long Beach - College of Business

- Tech Startups Application AI & Blockchain (IS 635) - California State University-Long Beach - College of Business

- Technical English (16BT1HS01) - Jawaharlal Nehru Technological University, Anatapur

Honors & Awards

- **Runner-Up at CSUF Datathon**

  - Issued by California State University - Fullerton · Oct 2024

  - *Associated with California State University-Long Beach - College of Business*

  - Achieved Runner-Up by developing a data-driven solution using Alteryx and Tableau to analyze complex datasets.

- **Accenture North America Data Analytics and Visualization Job Simulation**

  - Issued by Forage · Jan 2024

  - Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture.

  - Cleaned, modeled, and analyzed 7 datasets to uncover insights into content trends to inform strategic decisions.

  - Prepared a PowerPoint deck and video presentation to communicate key insights for the client and internal stakeholders.

- **Cognizant Agile Methodology Job Simulation**

  - Issued by Forage · Nov 2023

  - Demonstrated an understanding of key project management concepts by creating a comprehensive presentation analyzing strengths and weaknesses of Agile and Waterfall methodologies.

  - Applied knowledge of key aspects of Agile methodology by identifying user stories for an innovative interplanetary video-conferencing application and creating a document detailing Scrum role assignments and ceremonies.

  - Showcased problem-solving skills by diagnosing and proposing solutions for development process issues encountered during sprints.

- **Red Bull On-Premise Sales Virtual Experience Program**

    o   Issued by Forage

    o   Completed a job simulation focused on On-Premise Sales activities at Red Bull.

    o   Used Excel to visualize which on-premise clients were performing best and worst.

    o   Communicated observations to Red Bull team members about why certain clients were performing better than others.

    o   Utilized active listening and social proof to overcome a client's objections, resulting in them more prominently featuring Red Bull in their bar.