

Angad Singh Budwal

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EDUCATION

University of California Santa Barbara

Expected June 2026

B.S. in Statistics and Data Science & B.A., in Economics

- Relevant Coursework: Statistical Machine Learning, Econometrics, Design of Experiments, Regression Analysis, SAS Programming, Game Theory, Financial Management, Survival Analysis, Non-Parametric Methods.

WORK EXPERIENCE

NSIGHT INC

June 2025 – Sept 2025

AI & Data Science Intern

- Architected a proprietary budgeting system from scratch, automating expense categorization for 100% of departmental spend and cutting reconciliation time by 30%.
- Collaborated to engineer Capacity Chemical, a full-stack AI platform (React, Node.js, Express), designing a RESTful API that handles chemical queries and user management with sub-millisecond latency.
- Transformed manual workflows into automated solutions, deploying production-quality applications that improved internal data accessibility and decision-making speed.

Bajaj Allianz General Insurance

July 2024 – Sept 2024

Data Science Intern

- Developed an insurance policy recommendation system that achieved 75% accuracy in predicting customer policies R, Random Forest, and Shiny.
- Collaborated with teams to analyze model performance, increasing model accuracy by 20% and improving customer segmentation by refining features and tuning hyperparameters.
- Presented model insights to stakeholders, optimizing user engagement and decision-making.

d'Amico Ship Ishima Private Limited

June 2023 – Sept 2023

Data Science Intern

- Developed a Plotly and Leaflet dashboard to transform noon-reports into interactive fleet KPIs.
- Implemented K-means clustering and rolling Z-scores to detect anomalies in daily vessel records.
- Built a fuel simulator using cubic speed-power models to optimize operational costs.
- Engineered additive smoothing forecasts with seasonality to predict short-horizon fuel consumption trends.

PROJECTS

Nsight AI Budgeting System | *Python, FastAPI, Streamlit, SQL*

- Architected a full-stack analytics system using FastAPI and Streamlit for multi-country financial consolidation.
- Achieved a 40% reduction in monthly reporting time by building automated forecasting pipelines.
- Deployed interactive Plotly dashboards for real-time KPI monitoring, YTD comparisons, and anomaly detection.
- Collaborated with finance teams to define data cleaning logic for raw P&L CSVs and refine growth rate scenarios.
- Presented consolidated financial views and automated reports to stakeholders for data-driven strategic planning.

Capacity Chemical AI Platform | *React, Node.js, Express*

- Developed a full-stack AI platform using React and Node.js to query and manage proprietary chemical data.
- Reduced data retrieval time by ~90% by engineering an optimized RESTful API for fuzzy search.
- Deployed the system via a responsive UI (Tailwind CSS) for real-time Chemical formation formula visualization.
- Implemented Role-Based Access Control (RBAC) across 2 distinct user tiers to strictly secure sensitive datasets.
- Transformed manual search workflows into an automated system to support faster data-driven decisions.

TECHNICAL SKILLS

- **Programming Languages:** Python, R, SQL, JavaScript, C, HTML5/CSS3, MATLAB
- **Web Development & APIs:** React 18, Node.js, REST APIs, Tailwind CSS, Vite, Streamlit, Dash, Shiny
- **Machine Learning & Optimization:** Random Forest, Time-Series, Neural Networks, PCA, A/B Testing, NLP
- **Data Libraries:** Scikit-learn, PyTorch, Pandas, NumPy, Plotly, Matplotlib, ggplot2, SQL Server, Excel
- **General Concepts:** Data Wrangling, Deployment, System Architecture, Hypothesis Testing, Data Mining