Katrina Suherman

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EDUCATION

University Of California San Diego   San Diego, CA
Bachelor of Science - Data Science - 3.94 GPA   *Sep 2023 – Mar 2026*

Edmonds College   Lynnwood, WA
Associate's in Applied Science - Computer Science - 4.0 GPA   *Sep 2021 – Jun 2023*

EXPERIENCE

Data Science Intern   Jun 2025 – Present
Nobu Bank   *Remote*
- Supported development of an Agentic AI system to manage complex workflows across departments (e.g., operations, logistics) using Microsoft 365 Copilot and Google AgentSpace.
- Assisted in implementing Robotic Process Automation (RPA) using Microsoft Power Automate to streamline high-volume repetitive tasks.
- Created interactive dashboards in Microsoft Power BI to enhance sales performance visibility and customer portfolio tracking.

Data Analyst Intern   Jun 2025 – Present
Eluve   *Remote*
- Analyzed ICD-10 billing code recommendation patterns to identify low-acceptance codes and reduce noise in the AI-assisted medical coding system.
- Generated analytical reports on billing code accuracy and user engagement, supporting improvements to the recommender system's precision and UX.
- Validated clinical coding data, explored potential AI and UX bottlenecks, and proposed model or interface enhancements.

Data Analyst Intern   Feb 2025 – May 2025
California Homebuilding Foundation   *Remote*
- Performed data entry and validation tasks, ensuring accuracy and consistency in housing industry records while assisting in organizing and managing large datasets to support research initiatives.
- Utilized Power Automate Desktop to automate repetitive data entry processes, significantly reducing manual effort and improving accuracy and efficiency.

Cyber Security Consultant Intern   Jun 2024 – Sept 2024
KPMG   *Jakarta, Indonesia*
- Conducted data-driven cybersecurity maturity assessments, analyzing structured risk datasets to identify critical vulnerabilities and provide actionable, data-informed recommendations to enhance fraud detection and risk management.
- Produced detailed reports and visual dashboards to communicate trends in cybersecurity metrics, translating complex technical findings into actionable strategies for executive stakeholders.

Executive Officer for Technology   Sep 2022 – Jun 2023
Edmonds College   *Lynnwood, WA*
- Redesigned the Technology Investment Committee to align resources with student needs using data-driven decisions.
- Collected and analyzed student feedback, driving improvements in technology services based on data insights.

PROJECTS

Inside the OR: Interactive Surgical Outcome Explorer | Live Site   Jun 2025
- Designed a D3.js-based scrollytelling dashboard to visualize 6,000+ real-world surgeries from the VitalDB dataset.
- Implemented dynamic filters, tooltips, and time-series visualizations to compare surgical approaches and patient outcomes.
- Collaborated on data wrangling, chart rendering, and user interaction logic using JavaScript, HTML/CSS, and JSON.

Healthy Recipe Analysis | Project Link   Dec 2024
- Engineered features to enhance the dataset's predictive power, such as nutrient ratios and ingredient diversity scores.
- Built and optimized machine learning classification models using scikit-learn, achieving an 85% accuracy rate through iterative hyperparameter tuning.

Predictive Model for Damage Caused by Wildfires | Live Demo   Mar 2025
- Conducted EDA on 130k+ wildfire damage records and engineered key structural and property features.
- Utilized data preprocessing pipelines for consistent scaling, encoding, and imputation.
- Developed and tuned ML models using GridSearchCV, with XGBoost emerging as the top performer

TECHNICAL SKILLS

Languages: Python, SQL, Java, JavaScript, HTML/CSS
Data Analysis: Exploratory Data Analysis, Feature Engineering, Predictive Modeling, Regression Analysis, Parameter Tuning
Tools: pandas, NumPy, scikit-learn, matplotlib, seaborn, Dask, Tableau, Power BI, Excel, Beautiful Soup, regex, Jupyter Notebook, Git/GitHub, PowerPoint, PostgreSQL, AWS, D3.js, Mapbox, SVG, JSON, Responsive Web Design, User Interaction Design