

# Hyder Baig

909-734-6602 | [hyderb728@gmail.com](mailto:hyderb728@gmail.com) | [github.com/HB2310](https://github.com/HB2310)

U.S. Citizen in Upland, CA

## Education & Certificates

- B.S. in Computer Science, Minor in Data Science, from CSU San Bernardino in CA Expected May 2027
- A.S. in Business Administration from Chaffey College in CA 2025
- Coursework: Machine Learning, Statistics, Database Systems, Data Structures & Algorithms

## Work History

*Engineering Intern at Elsinore Valley Municipal Water District, CA*

*May 2026 to Current*

- Built Power BI dashboards, automated reports, and Python data pipelines that turned data from SQL databases, Excel, and PDF reports into trusted reporting for engineering, compliance, and lab stakeholders.
- Developed 12+ Power BI dashboards using SQL, Power Query, and custom DAX measures, integrating two separate SQL databases and Excel into unified data models so each department could see its data in one place.
- Gathered data requirements from stakeholders in four departments and set up Power BI workspaces with dashboards tailored to each team's reporting needs.
- Built a Python ETL pipeline that extracted live data from SQL Server with SQL queries (joins, CTEs, and aggregations), transformed it into compliance metrics, and generated automated Excel and PDF state reports, replacing manual data entry.
- Automated data extraction from monthly lab PDF reports with Python and PyMuPDF, loading the results directly into state forms and removing hand transcription from monthly reporting.
- Validated a reporting data source migration by reconciling two databases record by record, finding 330 of 1,154 results missing from the older source and confirming no current compliance averages changed.
- Improved data quality at the point of entry by building a FastAPI app on a six-table PostgreSQL schema that flagged statistical outliers beyond two standard deviations before field readings were saved.
- Wrote 200+ pytest tests that verified compliance calculations and report output, keeping automated reports accurate as AI-assisted code changes (Claude Code) were added.

*Meta Brand Ambassador at 2020 Companies, CA*

*May 2024 to December 2025*

- Represented Meta's AR/VR products in retail stores by demonstrating devices, answering technical questions, and helping customers set up and troubleshoot their hardware.
- Delivered 50+ hands-on demonstrations weekly, explaining complex AR/VR features to non-technical audiences in plain language and contributing to a 30% improvement in customer engagement.
- Gathered user feedback and requirements from customers and communicated product capabilities as a technical liaison between customers and Meta's product ecosystem.

## Projects

### *Data Trend Analysis & Visualization Dashboard (Python, Pandas, Plotly, Streamlit)*

- Built an interactive dashboard in Python with Pandas, Plotly, and Streamlit that ingested CSV datasets and cleaned and preprocessed messy data for analysis.
- Applied statistical methods including trend analysis, rolling averages, IQR outlier detection, and automated summary statistics to surface patterns in the data.
- Designed exportable reports to communicate findings clearly to non-technical audiences.

### *Task Management REST API (Python, FastAPI, SQLite)*

- Designed a relational SQLite schema and built a Python FastAPI REST API on it to manage users and tasks, with full CRUD operations, input validation, and structured error handling.
- Tested every endpoint with Postman to confirm correct responses and error cases.