

# Sidhant Kumar

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## SUMMARY

With a strong technical background, I've developed my skills in software development, data analysis, machine learning and AI. Through personal projects, I've build a solid foundation to contribute effectively to innovative projects and create a meaningful impact in the industry.

## EXPERIENCE

### Integration Xperts

#### Data Scientist – Young Leader

Aug 2025 – Present

- Built computer vision product for real-world use cases like customer behavior tracking, vehicle detection, and anomaly detection.
- Improved detection and tracking model performance by 20–30% through model evaluation and benchmarking (precision, recall, accuracy).
- Developed secure, role-based authentication systems using FastAPI-Users, enabling controlled access to analytics.
- Processed and analyzed large-scale datasets (50K+ records), removing duplicates and inconsistencies using embedding-based similarity matching, reducing data noise by 40%+.

### Mextech Solutions

#### Software Engineer

Aug 2024 – July 2025

- Developed custom WordPress websites and plugins, with optimized performance and load times by 20%.
- Integrated third-party APIs to enable different payment gateways and data automations.
- Integrated AI Chabot for FAQs, lead capture and automated customer support, improving response time by 40%.

### BCG (Boston Consulting Group)

#### GenAI Job Simulation

April 2025 – May 2025

- Completed a job simulation involving AI-powered financial chatbot development for BCG's GenAI Consulting team.
- Integrated and interpreted complex financial data from 10-K and 10-Q reports, employing rule-based logic to create a chatbot that provides user-friendly financial insights and analysis.

### RadicalX

#### Product Developer – Internship

Sep 2022 - Dec 2022

- Collaborated with teams like design and engineering to brainstorm and build product prototypes.
- Designed and implemented dynamic web pages to display key statistics and metrics.
- Deployed sophisticated data visualizations that transformed raw data into intuitive, visually compelling charts and graphs.

## PERSONAL PROJECTS

### RAG ChatBot:

- Built a RAG Chatbot using LangChain, FAISS, and Groq that leverages vector search to query multiple large documents, delivering accurate, context-aware answers and reducing hallucinations by 55%.

### Store Sales Forecasting:

- Developed a ML model to predict store sales using techniques like ARIMA, SARIMA, and regression.
- Analyzed sales data to identify trends, seasonality, and demand patterns.
- Improved model accuracy with hyper parameter tuning, evaluated performance with RMSE and R2 score, and visualized results.

### Home Price Prediction:

- Loaded and cleaned the dataset, handled outliers, and performed feature engineering to improve model performance.
- Optimized model prediction accuracy by 30% through hyper parameter tuning & validation techniques.
- Visualized data insights with Matplotlib and Seaborn for exploratory analysis.
- Designed an interactive web app using HTML, CSS, and JavaScript for the client side & deployed it on Flask.

### Business Sales Insight in Power BI:

- Designed and visualized an interactive Power BI dashboard to analyze business sales trends and key insights.
- Extracted and integrated sales data directly from a MySQL database for real-time analytics.

- Added a dynamic feature to highlight bars in red when sales profit falls below a certain target, signaling a red flag.
- Shared actionable insights that helped client make smarter decisions and cut costs by 15%.

#### Instagram Automation Tool:

- Developed Instagram automation tools to optimize social media marketing efforts.
- Automated various tasks such as account sign in, automated content posting, like, follow/unfollow user, and auto-reply to comments and messages using Python, Selenium.

### SKILLS

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**Languages:** Python, JavaScript, SQL, HTML, CSS.

**Frameworks & Libraries:** Numpy, Pandas, Scikit-learn, Tensorflow, OpenCV, Keras, Pytorch, FastAPI, Yolo, Git.

**AI Tools:** N8N, Make.com, Zapier, Lovable, Cursor, Voiceflow

**Data Visualizations:** Power BI, Tableau, Seaborn, Matplotlib, Excel.

**Testing:** Selenium, Postman

**Database:** Pinecone, FAISS, MySQL, MongoDB

### EDUCATION

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#### Bachelors of Computer Science

DHA Suffa University • PK, Karachi • 2024

**CGPA: 3.24/4**

### HONORS AND AWARDS

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**Spectrum'23** - '2nd Runner-up' in Database Design Competition

**Dean's Honor List** - Honored to be included in Dean's Honor List - Spring 2024