

Sidhant Kumar

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SUMMARY

As a Computer Science student, I've honed my skills in programming, software development, data analysis and problem-solving. My academic background and personal projects have provided me with a solid foundation to contribute effectively to innovative projects and build a promising career.

EXPERIENCE

Mextech Solutions

Software Engineer

Dec 2024 - Present

- Built scalable web applications.
- Integrate custom APIs to enable features like data processing, ML models, and smart recommendations.
- Collaborate with senior developers to break down project requirements and plan development tasks.

BCG X

GenAI Job Simulation

April 2025 - May 2025

- Completed a job simulation involving AI-powered financial chatbot development for BCG's GenAI Consulting team.
- Gained experience in Python programming, including the use of libraries such as pandas for data manipulation.
- 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.
- Collaborated with the development team to ensure designs were faithfully translated.
- Deployed sophisticated data visualizations that transformed raw data into intuitive, visually compelling charts and graphs.

PERSONAL PROJECTS

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

Languages: Python, JavaScript, HTML, CSS, SQL, C++.

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

Frameworks & Libraries: Numpy, Pandas, Scikit-learn, Tensorflow, Keras, Git.

Testing: Selenium, Postman
Algorithm: Linear Regression, Logistic Regression, Decision Trees, SVM, Random Forest, Naïve Bays, KNN, K Means, XGBoost
Tools: AWS, MySQL

EDUCATION

Bachelors of Computer Science
DHA Suffa University • PK, Karachi • 2024 **CGPA: 3.24/4**

HONORS AND AWARDS

Spectrum’23 - ‘2nd Runner-up’ in Database Design Competition