ANISH SIDDIQUI

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SUMMARY

Innovative Computer Engineering and Analytics graduate with comprehensive knowledge in application development, circuit design, and data infrastructure, seeking full time employment.

EDUCATION

University of Houston – Cullen College of Engineering | Houston, TX **Graduation Date:** May 2025
Bachelor of Science in Computer Engineering and Analytics **GPA:** 3.549
Relevant Coursework: *Pattern Recognition & Machine Learning, Engineering Data Analytics, Embedded Computing and IoT*

EXPERIENCE

Enterprise Products – Information Technology Intern May 2024 - August 2024
- Partnered with department supervisors to analyze asset functionality and construct profit outlook portfolio
- Accelerated technical operations by designing and deploying specialized applications in eBusiness system solutions
- Built transaction control language queries in MySQL Enterprise to extract information from relational databases
- Used cloud infrastructure services to test program capability, integrity, and compatibility in Oracle APEX

NRG Energy – *Data Science Intern* May 2023 - August 2023
- Implemented batch processing scripts in Jupiter Notebook to frame predictive analytics dashboards
- Utilized anomaly detection systems to refine structured dataset and increase code accuracy
- Developed machine learning regression model using quantitative variable manipulation to exhibit correlative patterns
- Designed and presented detailed evaluation capstone to demonstrate AI extrapolation capabilities

CVS Pharmacy – *Pharmacy Technician* January 2023 - May 2023
- Collaborated with licensed Pharmacist to ensure proper preparation, storage, and purchase of designated medications
- Coordinated with insurance companies to ensure the best possible price for customers
- Administered over one hundred Covid-19 tests and scheduled appropriate vaccinations for eligible patients
- Increased customer satisfaction by 12% by optimizing workflow of the pharmacy

PROJECTS

Dynamic Multimodal Robotic Arm Control System June 2025
- Assembled OWI-535 Robotic Arm Edge connected to custom PCB allowing users full 6DOF manual control
- Configured MATLAB vision system with Logitech Pro webcam for autonomous object tracking using color detection
- Deployed modified Vosk speech engine alongside Python and Arduino for offline voice-based control
- Engineered interactive motion response interface utilizing accelerometer modules for adaptive robotic actuation

Intercompany Transaction Automation System July 2024
- Created a platform that would recognize monetary reconciliation patterns to decrease accounting workload time by 62%
- Launched a detailed interface that would submit cash settlement payments equated to billions of dollars.
- Worked with financial regulation team to ensure transactions comply with SOX Practices to improve productivity by 18%
- Integrated session state controllers with interactive report format to permit accelerated financial data aggregation

Risk Analysis Algorithm August 2023
- Constructed neural networks using NumPy and Pandas coding packages to visualize clientele decision probability
- Applied inductive logic programming to definitive dataset factors resulting in improved operational performance
- Improved stream ingestion architecture to refine non-linear continuous databases leading to qualitative discrete categorizing
- Facilitated with multiple data analytics teams to assemble structured statistical forecasts

SKILLS

Computer Skills:
- Hardware: Arduino, TI LaunchPad, EV3 Firmware, Elegoo Uno R3
- Software: KiCad, PL/SQL, SQL, ARM assembly, EasyEDA, Command, JupyterLab, MATLAB, C++, Java, HTML
- Applications: Oracle APEX, Databricks, PowerBi, Illustrator, Photoshop, Access, PowerPoint, Excel, MS Word
- Operating Systems: macOS, Android, Linux, ReactOS, Windows, iOS,

Analytical Skills:
- Mathematical Modeling: *Algebraic Optimization, Finite Elements, Cartesian Geometry, Numerical Methods*
- Statistical Reasoning: Exceptional capability in researching, detailing, and presenting significant data to clientele

Languages: Fluent in English, Urdu, Hindi, literate in Standard Arabic