Asad Ahsan

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SKILLS:

- **Programming Languages:** C, Python, R, Verilog HDL
- **Analytics Tools:** Excel, SQL, Tableau, AMD Vivado
- **Business Intelligence:** Statistics, Hypothesis Testing
- **Cloud Platforms:** AWS, Google Cloud
- **Automation:** Beautiful Soup, Selenium

WORK EXPERIENCE:

Data Analyst - GEOsystems Research & Consultants Pvt. Ltd. | July 2023 – May 2024
- Researched, developed, and implemented a fully automated program that eliminated the need for manual data entry, saving the team more than 20 hours per week
- Managed Google Workspace and Cloud, improving team efficiency
- Created and maintained multiple Power BI and Excel dashboards for real-time insights
- Worked with cross-functional teams to understand their needs and utilized SQL to fetch the relevant data to support business decisions

PROJECTS:

[Link] Data-Driven Tender Tracker | April 2024
- An automated data scraping and analysis tool for tracking tender information
- Scraping capability of more than 50,000 data points using Beautiful Soup with data cleaning and manipulation using Pandas
- Integrated with Google Sheets API to store and manage the data-pipeline in cloud
- Built an interactive dashboard to visualize and analyze tender trends
- Achieved 100% automation in data collection, significantly improving the efficiency and accuracy of lead generation.

[Link] AI-Powered Web Apps | April 2024
- Created user-friendly frontends for applications using Streamlit
- Used Google Gemini for text generation, translation, and summarization functionalities
- Utilized Langchain and FAISS for data processing tasks

[Link] MIPS Processor | April 2025
- Created a 32 bits MIPS processor using verilog in Vivado
- Created testbenches and verified all the functional blocks
- Implemented R, I and J type instructions
- Planning to realize the code on FPGA

EDUCATION:

Ramdeobaba University, Nagpur (2023-2027)

B.E., Electronics and Computer Science