KAUSTUBH ARUN PASALKAR

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PROFESSIONAL EXPERIENCE

Software Engineer   Jul 2022 – Jul 2023
Hansen Technologies   Pune, Maharashtra, India
- Revised 20+ essential software components by maintaining applications in **Python, JavaScript,** Nodejs & Angular, enhancing performance & reliability by 20% for **portfolio reporting**.
- Administered data aggregation & transformation using **Alteryx** to create reporting packages & **Power BI** dashboards, improving data retrieval efficiency by 40%.
- Managed 1,000+ files in **SharePoint** with metadata tagging, boosting compliance & accessibility by 30%.
- Deployed **BI solutions** with end-users, using **Excel** to improve reporting efficiency by 30% and data accuracy by 20%.
- Collaborated with business stakeholders across 10+ projects, gathering requirements, developing **business intelligence**, **data visualization**, & **financial analytics** tools, & enhancing team coordination by 30%.
- Integrated **Power Platform solutions** (Power BI, Power Automate), **Spark,** & **Looker** for BI analysis & reporting, providing real-time insights & reducing reporting time by 50%.

Associate Software Developer   Aug 2021 – Jul 2022
Hansen Technologies   Pune, Maharashtra, India
- Drove **project management** & sprint planning for 30+ sprint cycles, ensuring on-time delivery through **Power Platform solutions** & **SAS,** enhancing project completion rates by 20%.
- Created and optimized Power BI dashboards to deliver insights on portfolio composition, **asset performance**, and **investment strategies**, increasing reporting speed by 45%.
- Mastered **Agile methodologies**, debugging, data wrangling, & system testing to deploy **3 data processing pipelines**, increasing development efficiency & improving **business reporting** by 15%.
- Managed **NoSQL databases** such as Redis & MongoDB, optimizing app performance for distributed systems by 25%**.**

ACADEMIC PROJECT EXPERIENCE

Data Science Engineer   Jun 2024 – Aug 2024
Medical Document Automation with Google Cloud Document AI & BigQuery   **GitHub Link**
- Streamlined a custom extractor model using Google Cloud **Document AI(Vertex AI, Generative AI)** to **automate** & analyze over 120 insurance documents.
- Integrated **OCR** for document **digitization**, & NLP for content categorization, achieved 96.1% accuracy in entity extraction.
- Incorporated with **BigQuery** to enable advanced analytics & Generative AI use cases, reducing manual tasks by 80%.
- Implemented real-time insights with a single query, cutting errors by 75% & reducing processing time by 60%.

Data Analyst   Apr 2024 – May 2024
Comprehensive Sales Performance Dashboard using Power BI   **GitHub Link**
- Designed an interactive **Sales Analysis Dashboard** with **Power BI**, consolidating sales metrics to deliver real-time insights into total sales ($2.297M), total profit ($286.34K), sales volume (38K units), & total discounts (1.56K).
- Enhanced **data visualization** through **KPIs** & charts, including sales by region & category-wise sales.
- Implemented **geospatial mapping** to analyze sales distribution by state, & incorporated **trend analysis** for sales performance from 2019 to 2022, supporting data-driven strategy formulation.

Business Analyst   Nov 2023 – Dec 2023
Healthcare Database Management System & Analysis using Power BI   **GitHub Link**
- Engineered a Healthcare DBMS model optimizing **SQL** queries in **MySQL** & **AWS RDS**, reducing query response time by 30% & enhancing data retrieval efficiency for medical records management.
- Conceptualized **EDA**, & ER diagrams to structure the database, & executed DDL statements for robust schema creation.
- Leveraged **Python & PowerBI** for data visualization, resulting in 20% improved decision-making for business insights.

EDUCATION

- **Masters in Information Systems**   Aug 2023 - Present
  San Diego State University, California, USA   **GPA: 3.66**
- **Bachelor of Engineering in Computer Engineering**   Aug 2017 – Jun 2021
  University of Pune, Maharashtra, India   **GPA: 8.03**

CERTIFICATIONS

- **Alteryx Designer Core Certified (2024):** Proficient in using Alteryx Designer to clean, prepare, and analyze data.
- **SDSU Data Science Advanced Certificate (2024):** Skilled in data analysis, management, & statistical tools.

TECHNICAL SKILLS

Languages: Python, SQL, C, C++, Java, R, C# | **Project Management**: SDLC, System Integration, Decision Making, Marketing Analytics | **Tools & Technologies**: Docker, SonarQube, Jaeger, Data Mining, Excel, Prometheus, Spark, CSS, Google Analytics, Tableau | **Fundamentals**: DSA, Statistical Analysis, Software Development, Exploratory Data Analysis, IT, SaaS, Troubleshooting, Business Analysis. | **Libraries**: NumPy, Pandas, Matplotlib