Itesh Kumar Gavel

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SUMMARY

Software Engineer with 2+ years in data analytics, ETL, and React.js. Skilled in Azure Data Factory, Databricks, Power BI, T-SQL. Microsoft Fabric certified, delivering scalable, data-driven solutions.

EXPERIENCE

Software Engineer 1
MAQ Software   **July 2023 – Present, Hyderabad**

- Designed and developed **scalable data pipelines** using **Azure Data Factory** and **Databricks**, reducing processing time by **30%** through automation and optimization.
- Created **Power BI dashboards** with **advanced visuals** and **interactive elements**, improving reporting efficiency and reducing manual effort by **40%**.
- Implemented complex **T-SQL queries** for data transformation and validation, improving query performance by **25%**.
- Automated **ETL workflows** using **Azure Databricks jobs**, ensuring timely and efficient pipeline execution.
- Delivered **end-to-end analytics solutions** using **Microsoft Fabric**, accelerating decision-making by **35%** and aligning outputs with business goals.
- Managed the complete **project lifecycle**, including **client interactions**, requirement gathering, development, deployment, and received **multiple appreciations** for consistently delivering **high-impact solutions ahead of deadlines**.

Associate Software Engineer
MAQ Software   **January 2023 – June 2023, Noida**

- Developed **responsive** and **dynamic user interfaces** using **React.js**, improving **user engagement by 20%** through enhanced user experience across multiple devices.
- Integrated **frontend applications** with **backend APIs** and **Azure services**, reducing **data load times by 30%** and enabling **real-time data interaction**.
- Implemented **modern UI/UX practices** and **component-based architecture**, increasing **web application scalability** and reducing **maintenance time by 25%**.
- Collaborated with **cross-functional teams** to deliver **feature-rich web solutions**, accelerating **development cycles** and ensuring alignment with **business requirements**.

PROJECT

Q-Routing in 3D Multiple NoC
National Institute of Technology Raipur · August 2022 – November 2022

- Simulated the **Q-Routing algorithm** in a 3D **Network-on-Chip (NoC)** architecture using **Garnet** and **Gem5 simulators** to optimize on-chip communication.
- Achieved **20X faster** performance compared to traditional 2D routing by mitigating network congestion and improving overall efficiency.
- Analyzed and visualized network performance metrics to evaluate routing efficiency and support further architectural improvements.

EDUCATION

Bachelor of Technology, Computer Science and Engineering
National Institute of Technology Raipur · Raipur · 2023 · 8.76 CGPA

CERTIFICATIONS

Microsoft Certified: Fabric Analytics Engineer Associate
Microsoft · 2024

- Streamlined **end-to-end analytics workflows** using **Microsoft Fabric** for faster **data integration**, **modeling**, and **reporting**.
- Applied **advanced DAX** and **semantic modeling** to build optimized **Power BI reports** aligned with business needs.
- Created **dynamic and interactive dashboards** using **Power BI**, enabling real-time **insights** and reducing manual reporting efforts by **40%**.

Building Modern UIs with React Router v6
LinkedIn · 2023

- Designed **intuitive, single-page applications** with smooth navigation using **React Router v6**.
- Improved **UI responsiveness** and **user experience** by implementing **modern routing** and **component structures**.
- Developed **modular and maintainable routing logic**, reducing navigation-related bugs and enhancing **development efficiency**.

SKILLS

- **Azure**: Experienced with Data Factory, Databricks, Fabric, Data Lake Storage, and PySpark for building automated ETL pipelines and handling large-scale data processing.
- **Power BI**: Proficient in DAX and data modeling to design interactive dashboards and enable data-driven decision-making.
- **React.js**: Skilled in creating responsive, component-based UIs using JavaScript and TypeScript.
- **Languages**: Working knowledge of C, C++, and Python for general programming and scripting tasks.
- **Back-End**: Expertise in SQL and T-SQL for data querying, transformation, and relational database management.
- **Tools**: Hands-on experience with MS Visual Studio, SSMS, GitHub, and Azure Databricks for development and collaboration.
- **IT Concepts:** Strong grasp of Data Structure, Algorithms, OOPs, DBMS, Operating Systems, and Networks
- **Soft Skills**: Excels in problem-solving, communication, time management, and project ownership.