

EDUCATION

Amity University Madhya Pradesh

Bachelor of Technology in Computer Science (BTech in CSE)

Gwalior, Madhya Pradesh, India

June 2019 - July 2023

SKILLS SUMMARY

- **Languages:** JavaScript, HTML, CSS, C++, SQL,python
- **Libraries:** ReactJs, React Native, Redux, Redux Toolkit, Jest, Micro Front End,Bootstrap,NestJS, Tailwind, HighCharts, GSAP, Styled Components, Stitches, ShadCN, Ag Grid,GoogleOAuth,npm workspaces,swagger,MongoDb
- **Tools:** **Databricks,Node, ,AWS**,Git,Keycloak, Unit Testing, Vercel, Firebase, **CI/CD**, UX,Pentaho report designer,**PDI**
- **Soft Skills:** Excellent communication, Troubleshooting, Problem Solving, Team Management, Decision Making

WORK EXPERIENCE

Software Engineer | Mantra Labs

July 2023 - Present

- Project | **MILES (NestJs Developer)**September 2023 - December 2023
- Empowering Indian Accountants Globally: Revolutionizing CPA & CMA Education and International Career Pathways
- Developed a **highly scalable backend** using NestJS, supporting **1,000+ concurrent users** with optimized API performance.
 - Engineered and fine-tuned PostgreSQL and Supabase databases, improving data retrieval speed by **40%** and system reliability.
 - Built a dynamic Google Meeting scheduling system integrated with mentorship credits, increasing mentor-mentee session booking efficiency by **60%**.
 - Developed RESTful APIs enabling smooth frontend-backend communication, reducing load times by **30%** and boosting user engagement.

- Project | **Mantra Traq (NestJs Developer)**January 2024 - August 2024
- Mantra Traq is a project management platform designed to streamline team collaboration
- Championed the migration of core backend systems to **NestJS**, reducing technical debt by **30%** and accelerating future development timelines by **25%**.
 - Implemented secure authentication and **Role-Based Access Control (RBAC)** with **Keycloak**, enhancing system security and reducing unauthorized access incidents by **40%**.
 - Integrated backend services with an API Gateway via **npm workspaces**, boosting microservices communication efficiency by **35%** and improving API scalability.
 - Optimized MongoDB performance by designing efficient schemas, indexing strategies, and query optimizations, improving data retrieval speeds by **50%**.
 - Ensured **100% compliance** with **GDPR** and other data protection standards through encryption, secure APIs, and periodic security audits.
 - Streamlined multi-package management using **npm workspaces**, improving backend development workflow coordination and reducing deployment time by **20%**.

- Project | **Validus (Data Engineer)**August 2024 - Present
- Automated Report Generation System using Pentaho and AWS Glue
- Built and deployed **15+ ETL pipelines** using Pentaho PDI, achieving a **30% reduction** in data processing times across reporting systems.
 - Delivered **25+ business reports** with Pentaho Report Designer, improving data-driven decision-making speed by **40%**.
 - Migrated legacy ETL workflows to **AWS Glue**, leading to **50% faster** data transformation and **35% cost savings** on cloud resource usage.
 - Integrated **5+ disparate data sources**, increasing reporting coverage and accuracy by **20%**.
 - Optimized **ETL workflows** to enhance data consistency, integrity, and performance.
 - Collaborated with stakeholders to define reporting requirements, ensuring alignment with business objectives.
 - Optimized SQL queries, reducing average report generation time from **10 minutes to under 4 minutes** (a **60% improvement**).
 - Improved data quality validation processes, reducing ETL errors by **45%** through enhanced logging and error handling.
 - Automated ETL processes, reducing manual intervention by **90%** and cutting overall data loading times by **25%**.
 - Strengthened data security measures, ensuring **100% compliance** with GDPR and internal security audits.

PROJECTS

MERN Stack Ecommerce

February 2021 - December 2021

Developed a full-stack e-commerce platform, Glasskart & Inventory management system, using React.js, Node.js, and MySQL, facilitating seamless purchase of sunglasses and eyeglasses.

- Developed and maintained a responsive e-commerce platform using React.js and Node.js for purchasing sunglasses and eyeglasses.
- Implemented backend functionalities with Node.js and MySQL, ensuring efficient data management and system reliability..
- Enhanced user experience through intuitive frontend design and smooth navigation using React.js.
- Managed end-to-end development of an e-commerce site, optimizing performance and scalability with Node.js and MySQL.
- Integrated payment gateways and order management systems, ensuring seamless transactions and customer satisfaction.

Web Crawler For Online Inflation

January 2022 - February 2022

Inflation Data Processing Pipeline using AWS, Apache Spark, and Pandas

- **Designed and implemented a data pipeline** for processing inflation data using AWS services, Spark, and Pandas.
- **Ingested and stored raw data** in **Amazon S3** and used **Amazon Athena** for querying and analysis.
- **Developed ETL workflows** using **Apache Spark on Amazon EMR** to transform and process WARC and Parquet files.
- **Performed data transformations** using **Pandas and Python**, enabling structured data analysis and reporting.
- **Optimized data processing workflows**, improving efficiency and scalability for large-scale data ingestion and analysis.

ACHIEVEMENTS

- Employee of the Month
- SQL (Intermediate) Certificate
- Salesforce shaolin

April 2024
January 2024
June 2022