Arundhati Das

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🧠 SKILLS

Programming Languages: Python, Java, JavaScript, SQL, Bash, PowerShell
Big Data Technologies: Apache Spark, Cassandra, Hadoop, Spark SQL, Distributed Data Processing, Apache Kafka
Cloud Platforms: AWS(Lambda, Glue, Athena, S3, EC2, CloudWatch, QuickSight, Kinesis), **Azure(**Data Factory, Logic Apps, DevOps, Monitor, Databricks, Synapse)
Infrastructure: Terraform, Docker, Kubernetes, CI/CD Pipelines
Databases: MySQL, PostgreSQL, CassandraDB, Azure SQL Database
Monitoring: CloudWatch, Azure Monitor, Data Quality Validation
Certifications: Microsoft Azure Fundamentals, Az-900 ⧉

💼 PROFESSIONAL EXPERIENCE

Software Engineering Analyst,   Jul 2022 – Jul 2024 | Bengaluru, India
Accenture| Client: Chanel (Global Luxury Brand) - Customer 360 Data Platform
- Built and maintained distributed data processing systems handling 10,000+ customer operations/hour across US and European regions, implementing auto-scaling and load balancing to achieve 95% uptime SLA
- Worked on fault-tolerant microservices platform with 50+ containerized applications using Azure Kubernetes, implementing health checks, circuit breakers, and automated rollback mechanisms for zero-downtime deployments
- Implemented comprehensive monitoring using Azure Monitor, Log Analytics, and custom KQL queries to track system performance, creating real-time dashboards that reduced incident detection time by 60%
- Supported infrastructure automation using Terraform and ARM templates to provision Azure resources (AKS clusters, storage accounts, networking), eliminating manual configuration errors and reducing deployment time by 80%

Software Engineer Associate, *Accenture| Client: Loreal*   May 2021 – Jun 2022 | Bengaluru, India
- Developed automation scripts using Python to reduce manual report generation process from 120 minutes to 1 minute
- Created Azure Event Hub streaming pipeline for real-time log aggregation and analysis, processing 20,000+ events/hour from distributed applications
- Collaborated in agile cross-functional teams on customer-facing features, participating in code reviews and system design
- Created technical documentation and runbooks for operational procedures and troubleshooting guides

⌨ PROJECTS

Real-time Weather Analytics Platform, *UMASS Dartmouth* ⧉   Oct 2024 – Dec 2024
- Built streaming ETL pipeline using AWS Lambda collecting weather data every 5 mins from National Weather Service API
- Created interactive dashboard using AWS QuickSight to visualize real-time weather metrics across 14 U.S. regions including temp, humidity, and weather alerts
- Implemented automated data quality monitoring using CloudWatch for freshness and anomaly detection

AutoDoc, *Hack@Brown, Brown University* ⧉   Jan 2025 – Feb 2025
- Built full-stack web application using React.js frontend and FastAPI backend for automated project documentation generation
- Integrated Ollama with CodeLlama model to analyze project structure, file composition, and tech stack identification
- Implemented PDF export functionality and responsive UI for viewing and sharing generated documentation

E-Commerce Website, *UMASS Dartmouth* ⧉   Feb 2025 – May 2025
- Developed using **Fast API**, **React TypeScript**, and **MySQL** with layered architecture for scalability
- Implemented user roles (customer, seller, admin), product catalog, cart management, and order processing
- Applied key design patterns (**Factory**, **Command**, **Repository**) to ensure modular and maintainable codebase

GPU Architecture Analysis ⧉   Sep 2024 – Nov 2024
- Developed Python scripts to monitor GPU performance across NVIDIA architectures
- Benchmarked CUDA on RTX 3000/4000 GPUs, analyzing performance with Nsight Compute
- Used Nsight Graphics for API call analysis and shader efficiency

🎓 EDUCATION

Master of Science (Major: Computer Science),   Dec 2025 | Dartmouth, USA
University Of Massachusetts Dartmouth (GPA 3.8 / 4)
   Relevant Coursework: *Algorithms & Complexity, Paradigmatic Software Development, Big Data Analytics*

Bachelor of Technology (Major: Computer & Communication),   May 2021 | Jaipur, India
Manipal University Jaipur (CGPA 3.4 / 4)