Krish Patil

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Education

Master of Science in Software Engineering	Arizona State University, Tempe, AZ	*Expected May 2026*
Bachelor of Computer Engineering	University of Mumbai, India	*May 2022*

Skills

Data Pipelining, Data Modeling, ETL Processes, Automation, Testing, Agile, Troubleshooting, Data Structures Algorithms, SDLC, OOPs, Python, HTML5, CSS3, TypeScript, JavaScript, C++, JSON, Django, Java, Lambda, EC2, RDBMS, DynamoDB, PostgreSQL, MySQL, Azure, MongoDB, GCP BigQuery, Linux, Scripting, Git, GitHub, Docker, Kubernetes, Visual Studio Code, AWS, Azure, GCP

Work Experience

Data Engineer   Capgemini , India   *July 2022 - July 2024*

- Developed and optimized 25+ data pipelines using Python, SQL, & GCP, increasing data flow efficiency by 30%.
- Streamlined ETL processes in GCP BigQuery, reducing query times by 40%.
- Modernized 100+ legacy SAS scripts to GCP, boosting performance and scalability by 50%.
- Implemented automated data integration pipelines, enhancing efficiency and eliminating 85% of manual tasks.
- Pioneered a robust monitoring framework, maintaining data integrity with an error rate under 1.5%.
- Managed ingestion of 500GB+ data from FTP and SFTP, transforming data into formats for analysis.
- Refined data pipelines leveraging AWS EC2, Glue, and Lambda, reducing processing time by 30%.
- Designed real-time AWS SNS alerts, boosting monitoring and issue resolution by 25%.
- Utilized Databricks to execute scalable data transformations, increasing processing efficiency by 35%.
- Optimized data ingestion workflows, cutting manual interventions by 50% and strengthening accuracy.

Projects

AgriInsights   *November 2024 - December 2024*

- Built Looker Studio dashboard for 500K+ agriculture records, analyzing crop yields and environmental impacts.
- Constructed 1000+ RDF triples with Python, boosting data integration by 30%.
- Integrated RDF knowledge graphs, minimizing processing time by 25% and improving visualization accuracy.

Scrum Simulator Using Agile Process   *October 2024 - November 2024*

- Developed a Java application over a structured 4-week timeline, leveraging Agile methodologies.
- Led two sprints to deliver incremental features and incorporated feedback to enhance functionality.
- Orchestrated sprint planning and retrospectives, cutting delivery time by 15% and boosting communication.

Leadership Experience

Registration Head, Student Council

- Managed more than 1,000 participant sign-ups for a cultural festival, ensuring smooth experiences through efficient communication and organization.

Certifications

AWS Certified Cloud Practitioner	Amazon Web Services	October 2022
AZ-900 Azure Fundamentals	Microsoft	August 2022
Machine Learning, Data Science, and Deep Learning with Python	Udemy	January 2022