Krish Naresh Patil

Portfolio | LinkedIn | krishpatil4151@gmail.com | Tempe, AZ | (480) 791-9504

Education

M.S. in Software Engineering	Arizona State University, Tempe, AZ	*Expected May 2026*
B.E. in Computer Engineering	University of Mumbai, India	*May 2022*

Skills

Python, SQL, TypeScript, JavaScript, React, Java, C++, Bash, Power BI, Tableau, PySpark, Excel, MATLAB, Visual Studio Code, AWS (EC2, Lambda, Glue, Databricks, Snowflake), GCP (BigQuery, Cloud Storage), Azure, Microsoft Fabric, Apache Airflow, Kafka, Kubernetes, Docker, PostgreSQL, MySQL, RDBMS, ETL, Data Modeling, Data Warehousing, Data Integration, JSON, XML, Git, CI/CD, JIRA, SDLC, Agile, Networking, Data Structures & Algorithms, Testing, Debugging, Troubleshooting, Linux, Scripting

Work Experience

Flex Technology Group   *Jun 2025 – Aug 2025*
Data Analytics Intern

- Built **5+ Power BI dashboards** integrating SQL Server and Fabric data to track revenue, usage, and sales metrics in real time.
- Automated **reporting workflows** in **Microsoft Fabric (Lakehouse)** and SQL, reducing manual analysis by **40%**.
- Migrated legacy **SSRS reports to Power BI**, improving usability and cutting turnaround time by **15%**.
- Defined **KPIs and data models** with cross-functional teams, streamlining analytics and stakeholder insights.

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

- Built distributed **ETL pipelines** using **Python, SQL, Airflow**, and **GCP (BigQuery, Cloud Storage)** to process operational data.
- Migrated **50+ SAS jobs** to **Python workflows** on **GCP**, running parallel jobs to improve scalability and data consistency.
- Automated ingestion of **structured and unstructured data** from **PostgreSQL, MySQL, MongoDB**, and **FTP agents**, reducing manual work by **85%**.
- Deployed and managed workflows on **Kubernetes clusters**, improving pipeline uptime to **99.9% availability**.
- Crafted **BigQuery dashboards** for **membership data, gift card redemptions**, and **KPIs by U.S. region**, enabling stakeholders to track active users and performance trends.

Software Engineer (Analyst)

- Engineered high-volume **FTP/SFTP ingestion pipelines** to convert raw server data into structured, analytics-ready formats.
- Refactored **AWS Glue, Lambda, and S3 workflows** to cut execution time by **30%** and improve overall reliability.
- Implemented real-time **AWS SNS alerting flows** to detect pipeline failures early and reduce operational downtime by **25%**.
- Processed **millions of records** on **Databricks clusters**, optimizing compute resources and improving pipeline efficiency by **35%**.
- Streamlined **IAM role configurations** to enforce secure, role-based access control across data ingestion pipelines.

Projects

CareerCatalyst.ai   *Dec 2024 – Jan 2025*

- Created an **AI-powered resume analysis tool** using **FastAPI** and **NLP** to provide personalized, data-driven feedback.
- Architected scalable **Python backend** with **LLM APIs**, containerized and deployed using **Docker**, supporting concurrent requests.
- Implemented algorithmic **resume scoring logic** that improved recommendation accuracy by 35%.

Elastic Face Recognition Platform – AWS Cloud Infrastructure   *Sept 2025 - Oct 2025*

- Built a **multi-tier AWS system** (EC2, S3, SQS) for real-time face recognition with **autoscaling from 0–15 instances**.
- Developed **Python-based web and app tiers** for automated image ingestion, model inference, and results delivery.
- Achieved **100% accuracy and sub-1s latency** on 100 concurrent requests, validated using AWS autograder benchmarks.

Scrum Simulator Using Agile Process   *Oct 2024 – Nov 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.

Certifications & Achievements

AWS Cloud Practitioner, **AZ-900 Azure Fundamentals**, **Power BI Desktop**, **Machine Learning, Data Science, and Deep Learning with Python**

Devhacks 2025 Winner - Best Use of AI Personas for TherapyAI project at Arizona State University