

Arun Kumar

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Summary

Software Engineering student with hands-on experience in AI integration, data engineering workflows, and full stack web applications. Built production-style ETL pipelines, real-time systems, and automation agents using modern tools. Strong focus on solving practical problems with scalable and efficient solutions.

Education

SZABIST University

Bachelor of Science in Software Engineering

Karachi, Pakistan

Sep. 2023 – Oct. 2027

SMIT

Cloud Data Engineering

Karachi, Pakistan

July 2025 – March. 2026

Work Experience

Data Engineer

Technocas

Karachi, Pakistan

April 2026 – Present

- Developed end-to-end web scraping pipelines using Python, Apify, and Playwright to extract data from dynamic websites.
- Designed and implemented ETL workflows, transforming raw data into structured formats for analysis.
- Integrated datasets with Metabase for reporting and dashboard creation, enhancing data accessibility.

Backend Developer

ZANK AI

Remote — United States

Feb 2026 – Present

- Developed scalable backend services using Python and REST APIs, designing structured database schemas.
- Optimized API performance, implemented secure authentication, and maintained production-level systems.

Software Engineer (AI)

HexaVibes Solution

Karachi, Pakistan

Aug 2024 – Dec 2025

- Integrated ML models into applications and optimized inference workflows for production use.
- Collaborated with cross-functional teams to deliver scalable AI-driven features.

Projects

Airflow ETL: S3 to Snowflake with Email | *Airflow, S3, Snowflake*

Jan 2026

- Designed ETL DAG to detect CSV in S3, auto-create Snowflake table, and load data using COPY INTO.
- Configured SMTP alerts and built production-style workflow using Sensors and Operators.

Chat Application | *MERN, Socket.IO*

May 2025 – June 2025

- Built real-time one-to-one and group chat with instant message delivery and responsive UI.

AI Thief Detection System | *Next.js, TensorFlow.js*

June 2025 – July 2025

- Developed browser-based surveillance system detecting humans via webcam in real time with optimized inference.

Banggood E-Commerce Data Pipeline | *Python, Selenium, Pandas, SQL*

Nov 2025

- Built full ETL pipeline scraping 10k+ product records; cleaned and loaded into structured SQL schema with anti-blocking mechanisms.

Skills

Languages: Python, Java, C/C++, SQL, HTML, CSS

Data Tools: Pandas, NumPy, Selenium, BeautifulSoup, Apify, Playwright, Metabase

Frameworks: FastAPI, Node.js

Databases: MySQL, SQL Server, Snowflake

Cloud & DevOps: AWS (S3, EC2, Lambda, SQS, SNS, Glue, QuickSight, Athena), Docker, Redis

Tools: Git, GitHub, VS Code, Firebase, Vercel, Figma, n8n

Certifications

Oracle Cloud Infrastructure 2025 Certified Generative AI Professional | Oracle Cloud Infrastructure Certified AI Foundations Associate

Google Prompting Essentials (Google Career Certificate) | AWS Educate: Introduction to Cloud 101