

NOOH KHAN

SOFTWARE ENGINEER

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SUMMARY

Software Engineer with hands-on experience designing and building Python-based systems — automation pipelines, REST APIs, and AI-integrated applications. Comfortable across the stack: writing production-style SQL, building ML/data pipelines with Scikit-learn and Pandas, integrating LLMs via RAG and Agentic AI, and shipping with Git, Docker, CI/CD, and Kubernetes. Strong fundamentals in data structures, algorithms, and system design, backed by a track record of independently scoping, building, testing, and documenting projects end to end. A fast learner who works well with minimal supervision and communicates clearly with technical and non-technical stakeholders.

SKILLS

Programming Languages: Python, SQL, C++ (DSA)

Backend & APIs: REST APIs, Automation Scripting, Data Pipelines, Vector Stores & Embeddings

AI/ML Engineering: Scikit-learn, Model Training & Evaluation, Agentic AI, RAG, LangChain, LLM Integration, Prompt Engineering

DevOps & Tooling: Git, GitHub, Docker, Kubernetes, CI/CD, Pytest, MLOps

Databases: PostgreSQL, MongoDB, SQL Query Writing & Optimization

Data & Visualization: Pandas, NumPy, Power BI, Tableau, Matplotlib, Seaborn

Practices: Technical Documentation, Code Review Readiness, Cross-functional Collaboration

PROJECTS

Enterprise Digital Twin & Decision Intelligence Platform

Dec 2025 – Jul 2026

GitHub: github.com/noohkhan7232/enterprise-digital-twin

- Engineered an enterprise decision intelligence platform in Python combining predictive analytics, simulation, and intelligent decision support, translating unstructured data into clear, structured outputs.
- Built scalable machine learning pipelines and REST APIs, integrating Agentic AI and RAG for automated enterprise knowledge retrieval.
- Applied MLOps practices — experiment tracking, automated testing, CI/CD, Docker, and Kubernetes deployment — for reliable, repeatable releases.

AURA-DS — Autonomous Data Science Agent

May 2026 – Aug 2026

GitHub: github.com/noohkhan7232/Autonomous-Unified-Reasoning-Analytics-Data-Science-Agent

- Built an autonomous multi-agent pipeline in Python that automates EDA, model training, benchmarking, evaluation, and result explanation end to end.
- Implemented RAG-based retrieval with a local vector store and an LLM to generate context-grounded explanations — hands-on experience with prompt engineering and LLM integration.
- Designed an automated evaluation layer combining data-quality and model-quality checks into a system-level PASS/FAIL verdict, and benchmarked multiple models with Scikit-learn.

Customer Value Intelligence Platform

Mar 2026 – Apr 2026

GitHub: github.com/noohkhan7232/Customer-Value-Intelligence-Platform

- Built an end-to-end Python, Pandas, and SQL data pipeline to extract, clean, and transform transactional customer data, automating recurring processing steps.
- Developed reusable, parameterized SQL analytical models for customer metrics and segmentation logic, replacing one-off manual queries.
- Shipped an interactive Power BI dashboard on top of the pipeline output to surface customer segments, revenue distribution, and KPIs.

LEADERSHIP & ACHIEVEMENTS

- Independently organized and hosted three technical events on Unstop at Allenhouse Institute of Technology, reaching 277+ participants — scoped, planned, and drove each to completion: Python Logic Quiz (175 participants), SUNX C++ DSA CodeStorm (60 participants), and SUNX MindRush 1.0 hackathon (42 participants).

CERTIFICATIONS

- Complete Data Science, Machine Learning, DL, NLP Bootcamp — Krish Naik, KRISHAI Technologies (Udemy), 2026.
- Complete Data Analyst Bootcamp: Basics to Advanced — Udemy (Krish Naik, Jayant Topnani, KRISHAI Technologies), Jul 2026 — Python, Statistics, Generative AI, EDA, AWS, SQL, ETL, Snowflake.

EDUCATION

B.Tech in Computer Science and Engineering

Expected 2027

Allenhouse Institute of Technology, Kanpur, India

LANGUAGES

Hindi — Native | English — Professional Working Proficiency | Arabic — Conversational