Chinmay Sharma

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Software Engineer, KPIT Technologies **LinkedIn**: chinmaysharma7

General Motors | **MTech**, IIT Patna(**ongoing**) | **B.Tech** KIIT **GitHub**:Cs7dev **Mobile:**+91-7208996736

PROFESSIONAL SUMMARY

Product-minded **AI Engineer** with over **over 3 years of experience** of experience specializing in **cloud-native platform development**, **Agentic AI** architectures, and enterprise data processing. Proven success driving **AI-first workflows** by embedding **LLM models**, **RAG pipelines**, and **vector databases** into production systems. Demonstrated impact optimizing enterprise data processing speeds by **77%** and earning a **4.73 CSAT** score for exceptional **client satisfaction**. Proficient in **Python** and **SQL** for high-throughput pipeline design, automated validation, and translating complex data into actionable, productized insights.

WORK EXPERIENCE

KPIT Technologies (Client: General Motors - MANGO SOLE Project) Pune, Maharashtra

Full-Stack & Cloud Platform Engineer **Jun 2025 - Present**

- Spearheaded development of the **MANGO SOLE** cloud-native test execution platform on **Azure**, combining an **AngularJS** frontend with **Java backend CLIs** and **Node.js** services to streamline cross-environment testing.
- Managed and troubleshot cloud-native container workloads in **Linux** environments, utilizing **OpenLens** to monitor **Kubernetes pods**, deploying from **ACR**, and writing **AngularJS unit tests** to **validate UI components**.
- Automated infrastructure provisioning on **Azure** using **Infrastructure as Code (IaC)** principles, ensuring consistent, scalable, and repeatable deployments of the test execution environments.
- Architected unified execution workflows bridging **cloud**, **CLI**, and **local environments**, embedding **AI-driven automation** to enhance **validation** accuracy and reduce manual setup time by **7+ hours per cycle**.
- Engineered GitHub Actions workflows implementing **Agentic AI** orchestration for intelligent **job monitoring**, automatically classifying **outcomes**, **diagnosing root causes**, and **integrating LLM models**, **RAG pipelines**, and **vector databases** to predict fixes aligned with **error patterns**.
- Optimized **vector database** querying and **LLM prompt** routing strategies, significantly reducing AI inference latency and improving the overall platform responsiveness for end-users.
- Implemented advanced automotive **Ethernet protocols** within **cloud infrastructure**, accelerating the validation lifecycle by **70%**.
- Collaborated cross-functionally with automotive engineering and QA teams within an Agile framework, translating complex validation requirements into highly scalable cloud and AI-driven features.
- Designed direct script-to-build workflows enabling engineers to instantly **access relevant job pages**, **accelerating debugging** and **analysis**.
- Led manual triaging and DNR (Did Not Run) report generation, accurately categorizing complex execution failures across software, VDK, script, and library issues.
- Augmented the **Agentic AI infrastructure** by feeding validated script and library edits back into the automated triaging workflow, continuously enhancing defect classification and **AI analysis accuracy**.
- Secured **RESTful APIs** and backend microservices leveraging modern authentication protocols, safeguarding proprietary test execution data and AI-generated diagnostic insights.
- Earned a **4.73 CSAT score** and **GM's High Flyer Award** (**Nov 2025**) for driving exceptional **reliability** and **client satisfaction** in the **GM Virtualization environment**.

General Motors (TFRP Project) Pune, Maharashtra

Cloud Developer **Dec 2023 – May 2025**

- Orchestrated automated **Azure data pipelines** using **ADF** and **Databricks**, migrating datasets from **SharePoint Excel** to **ADLS Gen2**.
- Designed and implemented **ETL pipelines** integrating **SQL Server** and **MongoDB**, leveraging **Power BI** and **Tableau** to deliver productized insights for stakeholders, ensuring reliable integration across diverse sources.
- Engineered automated data validation and error-handling frameworks within **Python** and **Databricks**, significantly reducing data discrepancies and ensuring high-fidelity reporting for downstream stakeholders.
- Applied **AWS Academy** learnings to design cross-cloud compatible **ETL workflows**, highlighting readiness for AWS Glue and BigQuery-style warehousing.
- Developed scalable **Python data transformation logic** and **incremental loading mechanisms**, improving processing speeds by **77%**.
- Automated the deployment lifecycle of **ADF** pipelines and **Databricks** notebooks by establishing robust **CI/CD**

workflows, minimizing manual intervention and ensuring zero-downtime releases.
- Built a robust **Medallion Architecture** with **Unity Catalog**, securing **enterprise data access**, **governance**, and **compliance**.
- Optimized **Databricks cluster** configurations and orchestrated pipeline scheduling, effectively reducing cloud compute costs while maintaining strict reporting **SLAs**.

Westernacher Consulting **Remote**(Bangalore)
Flutter App Developer Intern **May 2023 – Feb 2024**

- Developed and launched **Fortuna Mobile**, a responsive, cross-platform **Flutter** application for enterprise attendance and expense management.
- Integrated **REST APIs** and established robust state management protocols, delivering a highly scalable user interface.
- Collaborated seamlessly within an Agile/Scrum framework, consistently delivering high-quality features across multiple sprint cycles.

SKILLS

- **Operating Systems & Cloud: Linux, Microsoft Azure, AWS, GCP, Firebase**
- **Languages: Python, Java, JavaScript, Dart, SQL, C++**
- **Frontend & Backend: AngularJS, React.js, Node.js, Express.js, FastAPI**
- **Databases: SQL, Databricks Unity Catalog, Vector DBs (FAISS, Pinecone, Weaviate)**
- **Tools: Git, Power BI, Tableau, JIRA, Docker, Kubernetes**

PROJECT

Nidhi Sharma Classes Platform (React.js, Firebase, JavaScript) Dec 2025

- Built and deployed a responsive educational service website featuring interactive UI components and secure client-side routing.
- Engineered a multi-step student enrollment flow and integrated secure parent/student dashboards with performance tracking features.
- Live Website: **Nidhi Sharma Classes**

Ritu Weather Web/App (Flutter, Dart) Aug 2023

- Developed an app delivering real-time weather updates and customized briefings on news and events.
- Live App: Ritu

Personal Portfolio Dec 2022

- Personal Portfolio Link: https://cs7dev.github.io/

PROFESSIONAL CERTIFICATIONS

Data Science With Python, IBM	5th June 2022
AWS Cloud Semester, AWS(Credly)	19th April 2023
Problem Solving (Intermediate), HackerRank	15th Sep 2022
Technical Support Fundamentals, Google	6th June 2022
Advanced Google Analytics, Google	9th Nov 2021
Data Structures, UC San Diego	8th March 2024
Gen-AI, KPIT	16th Jan 2026

EDUCATION

M.Tech in AI & DSE, Indian Institute of Technology(IIT), Patna	2026 - 2028
B.Tech in Computer Science and Engineering, Kalinga Institute of Industrial Technology	2020 - 2024
XII (Science), BBPS Navi Mumbai	2019 - 2020
X, BBPS Navi Mumbai	2017 - 2018

AWARDS & ACTIVITIES

- Earned **GM's High Flyer** Award (**Nov 2025**) at **KPIT**.
- Competitive football player with state-level achievements