

Tinku Choudhary

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OVERVIEW

Experienced Software and Data Engineer specializing in scalable system development, automation, and cloud technologies. Proficient in **Python**, **SQL**, and **cloud platforms (AWS, GCP)**, with knowledge base in **data structures**, **algorithms**, and **system design**. Skilled at enhancing operational efficiency and collaborating with cross-functional teams to deliver high-impact solutions.

EDUCATION

Manipal Academy of Higher Education

Manipal, Karnataka

B.Tech. in Electronics and Communication Engineering;

Minor Degree in Financial Technology;

SKILLS

Languages **Technologies:** Python, SQL, Shell Scripting, **AWS**, **GCP**, Node.js, React.js, MySQL, MongoDB, Git, SVN, PyTorch, TensorFlow, JIRA, Unix.

Core Competencies: System Design, Data Structures Algorithms, Distributed Systems, **Automation**, CI/CD Pipelines, Agile (Scrum), Security Reliability

EXPERIENCE

Macquarie Global Services Ltd

Gurugram, Haryana

Associate Data Engineer

Aug 2023 – Present, Full-time

- Designed and developed robust software solutions for internal systems, ensuring **scalability** and **maintainability**.
- Optimized logging frameworks, **reducing debugging time by 97%**.
- Automated account management** processes, cutting manual effort by 30%.
- Participated in **design reviews**, contributing to the adoption of best practices for performance and reliability.
- Enhanced cloud-based workflows to handle **large-scale data processing**, leveraging **AWS** and **GCP** technologies.
- Engaged in Agile/Scrum teams, contributing to sprint planning and retrospectives to drive continuous improvement.

Macquarie Global Services Ltd

Gurugram, Haryana

Intern

Jan 2023 – July 2023, Intern

- Conducted performance optimizations that increased system reliability by 20%.
- Supported critical system updates with a focus on scalability and operational excellence.

VIAMI Solutions

-Pune, Maharashtra

Summer Intern

Jun 2022 – July 2022, Internship

- Built a Python-based backup tool for 50+ applications, automating Oracle MySQL backups and reducing data loss risks.

PROJECTS

- GenerativeAI Agents:** Building advanced Autogen agents using Langgraph for real-time decision-making applications.
- Customer Sentiment Analysis Tool:** Developing a Next.js and LLM-powered application for analyzing and responding to customer feedback in the banking sector.