SHUBHAM TEWARI

✉ st530535@gmail.com | GitHub: st321123 | LinkedIn: Shubham_Tewari

---

PROFESSIONAL SUMMARY

AI Engineer with nearly 1 year of experience at TCS, specializing in data automation, conversational AI, and full-stack development. Proven ability to design scalable systems, automate business workflows, and build AI-driven applications. Seeking opportunities to work on impactful AI and product-driven engineering problems.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, C++
Frameworks & Tools: React.js, FastAPI, LangChain
Cloud & Databases: Google Cloud Platform (BigQuery, Cloud Storage), MongoDB
Core Competencies: AI Engineering, Conversational AI, Data Automation, Process Optimization, Intelligent Agents, Full-Stack Development

---

PROFESSIONAL EXPERIENCE

Tata Consultancy Services (TCS)
AI Engineer | *Jan 2025 – Present*

Process Alert Automation

- Designed and implemented an end-to-end automated alerting system to monitor data pipeline health and discrepancies.
- Collected, validated, and compared source and target datasets in **BigQuery** to identify variances automatically.
- Implemented **dynamic color-coded reporting logic** for faster anomaly detection.
- Generated outbound reports and stored them in **Google Cloud Storage** for traceability.
- Automated email-based alerts to stakeholders, reducing manual intervention and saving **~3–4 hours per day** for Business Analysts.
- Currently working towards automated **Root Cause Analysis (RCA)** for discrepancy resolution.
  Tech Stack: Python, Google Cloud Platform (BigQuery, Cloud Storage)

Chat Buddy – Conversational AI for Business Insights

- Developed **LangChain-powered intelligent agents** to enable natural-language analysis of sales and business data.
- Designed modular agents to retrieve KPIs, trends, and analytical insights on demand.
- Improved business decision-making by enabling instant, AI-driven insights through conversational queries.
  Tech Stack: Python, LangChain, Conversational AI

PERSONAL PROJECTS

B&E – Blog and Earn (Full-Stack MERN Application)

🔗 https://blog-and-earn-frontend.vercel.app

- Developed a full-stack **MERN-based blogging platform** with secure user authentication.
- Implemented complete blog lifecycle management including creation, editing, deletion, and browsing.
- Designed a **coin-based monetization system** featuring:
  - Superchat functionality for creator support
  - Transaction history and revenue tracking
  - **1000-coin signup reward** for new users
- Added social features such as follow/unfollow, profile visits, and user discovery.
- Optimized frontend performance using **Recoil** for efficient global state management.
- Built scalable **REST APIs** with proper validation and error handling.
  Tech Stack: MongoDB, Express.js, React.js, Node.js, Recoil

EDUCATION

Master of Computer Applications (MCA)
Graphic Era Hill University

CERTIFICATIONS

- **TCS AI Igniter Certificate (AI Hackathon, 2024)**