# Shivam Singh

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## EDUCATION

### BABU BANARASI DAS NITM
B.Tech in Information Technology
July 2017 | Lucknow, UP

### ST. ANJANI'S PUBLIC SCHOOL
Class 12th CBSE Board
June 2013 | Lucknow, UP

### ST. XAVIER'S SCHOOL
Class 10th CBSE Board
June 2010| Ballia, UP

## LINKS

Github:// **Shivam-Singh851**
LinkedIn:// **shivam-singh851**

## COURSEWORK

### UNDERGRADUATE
Database Management Systems
Theory of Automata
Digital Logic Design
Operating Systems
Artificial Intelligence
Functional Programming
Computer Graphics
Computer Architecture
*(Minor Project & Major Project*
Unix Tools and Scripting

## SKILLS

### PROGRAMMING
**Back-end**:
Python • PHP
**Front-end**:
HTML • JavaScript • CSS • Materialized CSS • Angular • Bootstrap
**Database**:
PostgreSQL • MySQL • ChromaDB • PineconeDB
**Cloud**:
AWS • Azure

### FRAMEWORKS
LangGraph • LangChain • Django Django Rest Framework • Flask • Codeigniter
**Familiar**:
Java • React • MongoDB • Git • PostGIS • Elasticsearch • Kafka

### ANALYTICS TOOLS
Pandas • Numpy • Excel • Power BI

### GEN AI SKILLS
RAG • AGENTS

## EXPERIENCE

### PWC INDIA | SPECIALIST Application Development
Oct 2023 – Jan 2025 | Remote
- Developed and deploy on Azure cloud multiple GenAI applications using LangChain, LangGraph, and Vectorstore for storing and retrieving vector embeddings.
- Developed and deploy on Azure cloud back-end systems for API integration, database design, and legacy data migration.
- Data extracted and reconciled from Excel and PDF files for comprehensive report generation and summarization, including Bank Statements, AIS Data, and Form 26AS.

### TEQ MAVENS | Senior Software Engineer
Sept 2022 - Jun 2023 | Remote
- Responsible for using Python code to develop software and applications.
- Collaborate with the team to understand and translate project requirements into code.
- Responsible for testing and debugging code to ensure it works smoothly and fix any issues.
- To work on improving the performance and functionality of existing software.
- Design, develop, and unit test the latest trends and technologies in Python development.
- Participate in code reviews to maintain code quality and share knowledge.
- Create a Web application using the Django framework and a PostgreSQL database.
- Increased its performance by 80 percent.

### URBAN DEVELOPMENT GOVT. UP | Software Engineer
Feb 2019 – Aug 2022 | Lucknow, UP
- A proprietary for calculating pension, gratuity, service period death benefits, and death after retirement benefits operation web-based software.
- A proprietary Operational and Financial Tracking of intercity buses' daily operation web-based software for Urban Transport.
- A proprietary web-based tracking software designed for Urban Local Bodies (ULBs). It calculates the SFC Fund based on the ULB's population and area, which is used to pay the salaries of its employees. The State Finance Commission (SFC) reviews the financial position of the Panchayats in a state.
- Full-stack developer - Wrote and reviewed code using Python, Django, HTML, CSS, JavaScript, jQuery, Luxon.js.

### ARDEM INC. | Software Engineer
Sept 2018 – Feb 2019 | Lucknow, UP
- Worked on the Python script to filter files and make a folder according to their file extension, and put files into the respective folder.
- Worked on the Python script to read PDF files and extract required data into an Excel sheet, using Open-CV and the Tesseract library.

### TECHSOFT INDIA | Software Engineer
Dec 2017 – Sept 2018 | Lucknow, UP
- Web-based software for student registration and attendance tracking.
- E-commerce website for a shoe store.
- Full-stack developer wrote and reviewed code using PHP, CodeIgniter, WordPress, HTML, CSS, and JavaScript.