

# TANMAY SOMANI

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## Summary

Data science student skilled in Python, SQL, Power BI, Excel, and ML. Passionate about recommender systems, cloud computing, and generative AI, with hands-on experience applying data science to real-world problems.

## Internships

### Indore Municipal Corporation

Jan 2024 – Jun 2024

Smart City Trainee

- **Developed** and **maintained** paper management software, enhancing document handling.
- **Created** reports to help support data-driven decision making,

## Education

### School of Data Science and Forecasting, DAVV University

2021 – 2026

B.Tech-M.Tech (Dual Degree)

CGPA: 8.2 / 10

- Completed certifications in IoT, cybersecurity, Google Cloud.
- Participated in hackathons, collaborative AI/SQL projects.

### S.I.C.A. S.S. School No. 2

2007 – 2021

Physics Chemistry Maths + Computer Science (AISSCE)

10th: 92.6%, 12th: 93.6%

- Won a prize in Senior Bal Vigyan for an IoT project.
- Served as a council member for three years, developing leadership and organizational skills.
- Engaged in various extracurricular activities including chess and table tennis.

## Projects

### Book Recommender System

- **Developed** a user-friendly platform that delivers personalized book recommendations based on user preferences and reading history.
- **Curated** book lists and reviews to enhance user engagement and discovery of new titles.

### Shark Tank India Dashboard (Power BI)

- **Designed** and **developed** an interactive Power BI dashboard to visualize investment trends, startup performance, and investor insights from Shark Tank India.
- **Integrated** data from multiple sources to create dynamic reports and perform real-time analytics.

### Facial Recognition Attendance System

- **Engineered** a facial recognition attendance system leveraging machine learning to automate and secure attendance tracking.
- **Deployed** real-time image processing and recognition technology for accurate and efficient attendance management

## Volunteering

### AIESEC Indore

Aug 2023 – Jul 2024

Head of Outgoing Corporate Sector

- **Facilitated** professional international internships for youth across Indore.
- **Managed** international partnerships in around 10 countries. **Created** and **executed** marketing strategies to enhance brand awareness

## Skills

**Programming:** Python, SQL, R, Scala, Git, HTML, LaTeX

**Tools:** Power BI, Excel, MongoDB, GitHub, MySQL, IDEs

**Soft Skills:** Critical Thinking, Time Management, Leadership, Positive Discipline

## Certifications

### British Airways Data Science Job Simulation (Forage)

- **Scraped** and **analyzed** customer review data to uncover endings
- **Built** a predictive model to understand factors that influence buying behavior.

### Google Cloud Fundamentals

- Adept at using GCP tools for scalable cloud solutions, including data storage, computation, and machine learning to drive business solutions.

## Languages

English (Proficient), Hindi (Native)

## Research Publications

**Comparative Analysis of Federated Learning (FL), Reinforcement Learning (RL) and Evolution Strategy (ES) in Gaming Environments**