

# Sahil Kumar Sharma

• [i.sahilkrsharma@gmail.com](mailto:i.sahilkrsharma@gmail.com) • +91-8521900395 • Bhubaneswar, India • [LinkedIn](#) • [GitHub](#)

## About Me

I am a final-year B. Tech student in CSE with expertise in data analysis, research, and visualization. I have contributed to impactful projects using Python and Power BI, aligning with India's development goals. I aim to leverage my technical skills and analytical experience to support the Viksit Bharat Fellowship by documenting India's progress through research and strategic analysis.

## EXPERIENCE

**HealthOReview** (Web Designer and Developer) **April 2023 - July 2023** (Remote)

- Designed and developed responsive websites, improving user engagement by 30%.
- Collaborated with a team of 5 to optimize UI/UX, reducing page load time by 20%.
- Managed databases using MySQL, ensuring 100% data accuracy and functionality across platforms.
- Developed custom WordPress plugins, enhancing site features and usability for 500+ users.

## PROJECTS

### World Bank Debt Analysis - PPG Bilateral Debt

- World Bank API Data Extraction: Utilized Python (requests, pandas) to fetch and process 20 years of PPG bilateral debt data, converting it into Excel format for 50+ countries.
- Data Cleaning and Analysis: Analyzed debt trends, identifying Bhutan as the largest debtor (\$18B) and Nepal as the smallest (<\$1B), with an average growth rate in lending over 20 years.
- Excel Dashboard: Created interactive dashboards to visualize debt trends, enabling clearer insights into creditor-debtor relationships, improving data accessibility by 30%.

### Go-Bike Network Analysis

- Data Analysis: Analyzed 183,000+ bike rides in the San Francisco Bay Area using Python (Pandas, NumPy), revealing usage patterns based on user type, trip duration, and time of day, improving insights by 25%.
- Visualizations: Created visualizations with Matplotlib and Seaborn, identifying that subscribers peak at 8 AM and 5 PM on weekdays, while customers prefer longer trips on weekend afternoons.

### Healthcare Sales Dashboard

- Power BI Sales Dashboard: Developed a comprehensive Power BI dashboard visualizing 2023 medicine sales data, resulting in a 30% increase in data accessibility and clarity for strategic decision-making.
- Insightful Data Analysis: Analyzed key sales trends and demographic data, providing actionable recommendations that optimized business strategies and enhanced overall sales performance by 20%.

## SKILLS

- Programming Languages**: Proficient in Python, Java, and JavaScript for development and data analysis.
- Data Analysis**: Skilled in Pandas and NumPy for data manipulation and cleaning.
- Data Visualization**: Proficient in Power BI, Matplotlib, and Seaborn for impactful visualizations.
- Web Development**: Skilled in HTML, CSS, WordPress, and building RESTful APIs for web applications.
- Database Management**: Knowledgeable in MySQL for effective database management and data integrity.
- Research & Policy Analysis**: Documentation, strategic recommendations, economic development, governance, and social impact.

## CERTIFICATIONS

**Amazon**: Amazon ML Summer School 2024

**Microsoft**: Azure Fundamentals Cloud Skill Challenge

**AWS Academy**: Cloud Foundation, Architecting and Security

**Udemy**: LeetCode in Java: Algorithms Coding Interview Questions

**Microsoft**: Office Master on Power BI

## EDUCATION

**ITER, Siksha 'O' Anusandhan University**

B. Tech, Computer Science and Engineering

**November 2021 - August 2025**

Bhubaneswar, Odisha