

# SOURAV SINGH

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*I am looking for a position as a product developer in an organization where I can utilize my skills at understanding, building, testing and deploying product and the opportunity to upgrade my knowledge about the new and emerging trends in this sector.*

## EDUCATION

**Veer Surendra Sai University of Technology**

**Bachelor of Technology**, Civil Engineering, **CGPA: 8.69/10**

Thesis: Prediction of Mechanical Strength of Concrete using Machine Learning

**Burla, Odisha, India**

*Jul 2017 - June 2021*

## EXPERIENCE

**Cognizant Technology Solutions India PVT LTD**

*Software Engineer*

**Bhubaneswar, Odisha, India**

*July 2021 – November 2024*

- Data Analytics using SQL and Python (Pandas and Numpy).
- Design ML, DL and GenAI model using python and API for Internal Hackathon and Challenges.
- Data Migration from Legacy system to Cloud.
- Quality engineering and testing of daily transaction files.
- Design online screen and written it's backend functions using CICS, COBOL, JCL and SQL.

## SKILLS

- **Software:** GIT, IBM Mainframe Terminal, MS Office, Visual Studio
- **Programming:** C++, CICS, COBOL, JCL, Python, SQL
- **Database:** DB2, MySQL
- **Web Development:** HTML, CSS, Flask
- **Technology:** Artificial Intelligence, Machine Learning, Cloud Technology (Google Cloud and Microsoft Azure)

## PROJECTS

- Prediction of Mechanical Strength of Concrete using Machine Learning  
Project link : [https://100ravsingh.github.io/Btech\\_Final\\_Year\\_Project/](https://100ravsingh.github.io/Btech_Final_Year_Project/)
- Road Quality  
Project link : <https://www.youtube.com/watch?v=6m9XcFSjViw>  
Docker link : <https://hub.docker.com/r/sunny31011998/road-quality>

## AWARDS and GRANTS

- Winner of Smart India Hackathon 2020 Hardware Edition, Organised by AICTE ( Govt of India) *Feb 2021*

## PUBLICATIONS

- Evolutionary optimization of machine learning algorithm hyperparameters for strength prediction of high-performance concrete <https://link.springer.com/article/10.1007/s42107-023-00698-y>

## VOLUNTEERING EXPERIENCE

**Smart India Hackathon 2023 Software Edition**

*Evaluator*

**Sambalpur, Odisha, India**

*Dec 2023 – Dec 2023*

- I assessed 27 teams in the Smart India Hackathon 2023 software edition conducted at Veer Surendra Sai University of Technology as a Nodal Center for the open innovation challenge.

## CERTIFICATIONS

- **Google Cloud:** Professional Machine Learning Engineer, Associate Cloud Engineer, Cloud Digital Leader
- **Microsoft Azure:** AZ-900, AI-900, DP-900

## LANGUAGES AND INTERESTS

- **Languages:** Hindi (native), Odia (native)
- **Interests:** Photography, Hiking, Badminton, Cricket, Swimming