

# SOURAV SINGH

## SOFTWARE ENGINEER



### CONTACT

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 <https://100ravsingh.github.io>

### OBJECTIVE

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.

### ACTIVITIES

- Evaluator - Smart India Hackathon Software Edition 2023

### LANGUAGE

- ✓ English ★★★★★
- ✓ Odia ★★★★★
- ✓ Hindi ★★★★★

### SKILLS

- Cloud Technology: Azure and GCP
- Artificial Intelligence and Machine Learning
- Mainframe : CICS, COBOL, JCL and DB2-SQL
- Data Structures and Algorithms : Python and C++
- Web Development : HTML, CSS and Flask

### WORK EXPERIENCE

#### Associate

Cognizant Technology Solutions India

30/07/2021 -  
Present

1. VBA Automation scripts for MS-Office.
2. Raincode support task to fix issues.
3. Data Migration from Mainframe to Cloud.
4. Quality engineering and testing of daily transaction files.
5. Design online screen and written it's backend functions using CICS, COBOL, JCL and SQL.

### PROJECTS

#### Prediction of Mechanical Strength of Concrete using Machine Learning

An efficient implementation of machine learning model to predict compressive and tensile strength of high performance concrete (HPC).

Project link : [https://100ravsingh.github.io/Btech\\_Final\\_Year\\_Project/](https://100ravsingh.github.io/Btech_Final_Year_Project/)

#### Road Quality

Welcome to my Road Quality web application an asphalt road quality assessment. This web app focuses on road classifications, achieving an impressive accuracy of 88.90%.

Project: <https://www.youtube.com/watch?v=6m9XcFSjViw>

### EDUCATION

#### Bachelor of Technology in Civil Engineering

Veer Surendra Sai University of Technology  
8.69 CGPA

2017 - 2021

### ACHIEVEMENTS

- ✓ Winner of Smart India Hackathon 2020 Hardware Edition, Organised by AICTE (Govt of India).

### PUBLICATION

#### Evolutionary optimization of machine learning algorithm hyperparameters for strength prediction of high-performance concrete

Publication link:

<https://link.springer.com/article/10.1007/s42107-023-00698-y>

### COURSES AND CERTIFICATIONS

Google Cloud Certified Associate Cloud Engineer

<https://google.accreditable.com/20bf9626-b471-451e-b4d7-b25b92c5355e>

Google Cloud Certified Cloud Digital Leader <https://www.credential.net/7688d66e-0677-4abd-8e80-d2c41e217cf4>

Microsoft Certified: Azure Fundamentals (AZ 900)

<https://www.credly.com/badges/7f907722-9d3d-43d7-9d2a-d3509f06fe07>

Microsoft Certified: Azure AI Fundamentals (AI 900)

<https://www.credly.com/badges/cf9ad1a5-1ee8-4e00-99f3-c8005b320400>

Microsoft Certified: Azure Data Fundamentals (DP 900)

<https://www.credly.com/badges/cefa7ed0-fc05-4479-8108-25a4bc72d895>

Google IT Automation Certificate [https://www.credly.com/badges/280cf282-5c0a-49dc-8b4e-28537d5d58fb/public\\_url](https://www.credly.com/badges/280cf282-5c0a-49dc-8b4e-28537d5d58fb/public_url)