

SOURAV SINGH

ss3225220@gmail.com | <https://100ravsingh.github.io/> | <https://www.linkedin.com/in/sourav-singh-574a82160/>

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

- Strength of Concrete using Machine Learning : https://100ravsingh.github.io/Btech_Final_Year_Project/
- Road Quality : <https://100ravsingh.github.io/Road-Quality-Project/>
- ChequeScan : <https://100ravsingh.github.io/ChequeScan/>

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