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 — **Burla, Odisha, India**
Bachelor of Technology, Civil Engineering, **CGPA: 8.69/10** — *Jul 2017 - June 2021*
Thesis: Prediction of Mechanical Strength of Concrete using Machine Learning

EXPERIENCE

Cognizant Technology Solutions India PVT LTD — **Bhubaneswar, Odisha, India**
Software Engineer — *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/
- 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 — **Sambalpur, Odisha, India**
Evaluator — *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