SOURAV SINGH

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I am seeking a position in the field of Data and AI where I can leverage my skills in data analysis, building, testing, and deploying AI-driven solutions, while also gaining opportunities to enhance my knowledge of emerging trends and advancements in this domain.

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

Accenture India Private Limited   **Bhubaneswar, Odisha, India**
ML Engineering Senior Analyst   *November 2024 - Present*
- Design and deploy large-scale data pipelines for efficient data processing and management.
- Develop and deploy AI/ML models using advanced machine learning algorithms.
- Build scalable data processing applications with Python and SQL for actionable insights.
- Collaborate with cross-functional teams using Agile to deliver impactful business solutions.

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.
- Design online screen and written it's backend functions using CICS, COBOL, JCL and SQL.

SKILLS

- **Programming:** C++, CICS, COBOL, HTML, JCL, Python, SQL
- **Technology:** AI/ ML, ETL, 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| Design Mentor   *Durg, Chattisgarh, India, Dec 2024 – Dec 2024*
- I assisted 29 teams in designing their final products during the Smart India Hackathon 2024 Hardware Edition at Bhilai Institute of Technology, which served as a Nodal Center for various theme-based innovation challenges.

Smart India Hackathon| 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