Hemant

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EDUCATION

Kalinga Institute of Industrial Technology　　　　　　　　　　　Oct. 2021 – Present
Bachelor of Technology in Computer Science & Engineering | CGPA: 8.5　　*Bhubaneswar, Odisha, India*

- *Courses* – Data Struct. & Algo., Database Mgmt. Sys., Operating Sys., Automata & Formal Lang.

St. Xavier's High School　　　　　　　　　　　　　　　　　　April 2009 – May 2021
Schooling | PERCENTAGE: 80　　　　　　　　　　　　　　　　　　*Motihar, Bihar, India*

EXPERIENCE

Steel Authority of India Limited　　　　　　　　　　　　　　June 2023 – July 2023
Intern, Internship Trainee　　　　　　　　　　　　　　　　　*Asansol, West Bengal, India*

- Observed and learned how computer technology is used in the laboratory to control and optimize large-scale industrial machinery.
- Gained knowledge of continuous foundry and plant operations and witnessed the complex integration of mechanical processes and computer science.
- Gained practical experience in large companies such as coke ovens, sintering furnaces, blast furnaces, and oxygen furnaces.

UNIcompiler　　　　　　　　　　　　　　　　　　　　　　July. 2022 – Aug 2022
Virtual Intern, Web Developer　　　　　　　　　　　　　　　　*Bhubaneswar, Odisha, India*

- Led the design and implementation of the website user interface to improve user experience and increase user engagement.
- Learn more about open source development and contribute and use community solutions to improve your project.
- Thrived in a dynamic tech environment, collaborating cross-functionally to drive product evolution and meet key milestones.

TXON　　　　　　　　　　　　　　　　　　　　　　　　April. 2023 – May 2023
Remote Intern, Web Developer　　　　　　　　　　　　　　　　*Bhubaneswar, Odisha, India*

- contributed significantly to four major projects, demonstrating adaptability and broad technical skills. This hands-on experience expanded my understanding of front-end and back-end development and ensured end-to-end project delivery.
- Proven experience in creating applications ranging from developing powerful calculators to emulating complex features of Windows 11 clones to developing visually appealing and functional personal portfolios that emphasize technical insight and aesthetic considerations.
- Seized opportunities to collaborate with experienced developers and designers, absorbing industry best practices. This not only honed my coding and design skills but also instilled a strong foundation in team dynamics and agile methodologies.

PROJECTS

Depression Detection Using Social Media – *Python, Pandas, Numpy, Matplotlib*　　Sept 2023 – Oct. 2023

- Developed a sophisticated predictive model aimed at classifying users as potentially depressed or not based on their activity and patterns observed on Twitter. This project underscores the convergence of technology and mental health, offering an innovative approach to early detection and intervention.
- Utilized machine learning algorithms, including XGBoost and Random Forest, to analyze Twitter data and detect linguistic and behavioral indicators of potential mental health challenges. Rigorous testing ensured optimized predictive accuracy, while the analysis emphasized the value of social media as a tool for mental well-being insights.

Stock Market Prediction Using Bank Data – *Tensorflow, Keras*　　　　　　Oct. 2022 – Jun. 2023

- Skillfully executed hand-engineered feature generation on raw textual bank data, transforming complex financial information into actionable insights for predictive modeling.
- Demonstrated proficiency in training a variety of advanced predictive models including Auto Encoder, Random Forest Classifier, Variational Auto Encoder, RBF, KELM, and LSTM, optimizing each to achieve accurate stock market predictions based on bank data.

TECHNICAL SKILLS

Programming Languages: C/C++, Java, Python, Ruby, SQL, HTML5/CSS3
Frameworks: Flask
Libraries: Pandas, NumPy, PyTorch, SciKit-Learn, NLTK, XGBC Boost, MatPlotLib
Developer Tools: AWS, MySQL,Snowflake, Git, JetBrains IDEs, VS Code

KNOWN LANGUAGES

English | *Proficient*　　　　　　　　　　　　　　　　**Hindi** | *Proficient*