

# Sohail Bhati

Computer Science Undergraduate

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## Education

B.Tech in Computer Science (AI & Data Science)

Poornima University, Jaipur, Rajasthan

2022 – 2026 | Current CGPA: 7.6

Higher Secondary Education

Oxford International Academy, Jaipur, Rajasthan

2021 – 2022 | Achieved 76%

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## Experience

Artificial Intelligence Intern

Internship Studio | June 2024 – July 2024 | Jaipur, India

Designed and developed machine learning models to support AI-powered solutions. Conducted comprehensive data preprocessing and cleaning for optimized model performance. Strengthened technical proficiency in Python, TensorFlow, and NLP while fostering collaborative problem-solving abilities.

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## Projects

**Student Performance Prediction Model:**

*Sklearn | Python | Seaborn | Deep Learning | Matplotlib | Kaggle*

Built a predictive machine learning model to forecast student academic performance using historical datasets. Analyzed key factors influencing academic outcomes and deployed a data-driven solution to enhance educational decision-making.

**Sentiment Analysis of Tweets:**

*Python | NLTK | Scikit-learn | NLP | Kaggle:*

Developed an end-to-end pipeline for preprocessing tweets using NLTK and spacy.

Applied text normalization, noise reduction, and lemmatization techniques.

Implemented feature extraction with TfidfVectorizer and dimensionality reduction using Truncated SVD.

Enabled accurate sentiment analysis and topic modeling for scalable applications.

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## Achievements

Solved over 100 Data Structures and Algorithms (DSA) problems on LeetCode and GeeksforGeeks.

Successfully participated in the *Smart India Hackathon (SIH) 2024*, showcasing innovative problem-solving skills.

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## Technical Skills

Programming Languages: C++, Python

Frameworks & Libraries: NumPy, Pandas, TensorFlow, Matplotlib, Scikit-learn, HTML, CSS

Tools & Software: GitHub, VS Code, Jupyter Notebook, Linux, Excel

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## Certifications

IIT Kharagpur (NPTEL): Introduction to Internet of Things (IoT)

IIT Hyderabad (NPTEL): Privacy and Security in Online Social Media

IIT Kharagpur (NPTEL): The Science of Happiness and Well-being

Certificate of Skill Competency in Solar PV Installer (Electrical Job Role) – Process & Product Development Centre, Jaipur

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## Hobbies and Interests

Exploring advancements in artificial intelligence and its applications.

Actively participating in hackathons and collaborative tech projects.

Enthusiastic about sports and athletics, maintaining a balanced and active lifestyle.