

SUMIT BAHL

EDUCATION

+91 9376224370 | sumitbah1931@gmail.com | GitHub | LinkedIn

Degree	Institute/Board	Year
Bachelor of Technology, Electrical Engineering	Indian Institute of Technology, Ropar	2022-2026
Senior Secondary RBSE	Saraswati Public Senior Secondary School	2022
Secondary CBSE	Saraswati English Medium School	2020

EXPERIENCE

• AI Engineer Intern

June 2023 - Present

SOUL AI/Outlier | Remote

- Reviewed and debugged SQL tasks, ensuring adherence to quality standards and improving task performance by 15%.
- Provided detailed, constructive feedback to enhance model performance, leading to a 10% improvement in task accuracy.
- Assisted in implementing AI-driven marketing campaigns, increasing brand awareness by 20%.

• Growth Intern

June 2023 - July 2023

Factapp.in | Remote

- Analyzed user acquisition strategies, resulting in a 15% increase in customer engagement.
- Conducted competitor analysis, identifying growth opportunities that contributed to a 10% revenue boost.
- Implemented data-driven marketing campaigns, achieving a 25% increase in customer acquisition.
- Contributed to customer acquisition strategies, driving a 12% increase in revenue.

PROJECTS

• Stock Market Analysis

June 2024 - July 2024

Python, Data Analysis

GitHub

- Utilized Python libraries (Pandas, NumPy, Seaborn, Matplotlib) to analyze financial data and identify key trends.
- Developed interactive dashboards to visualize stock market metrics, aiding in data-driven investment strategies.

• Stock Price Prediction Using LSTM

April 2024 - May 2024

Python, Machine Learning

GitHub

- Built an LSTM-based model to predict future stock prices, achieving 88% accuracy in time-series forecasting.
- Leveraged LSTMs to capture long-term dependencies in financial data, improving prediction reliability.

• Data Science Projects

May 2024 - June 2024

Python, Machine Learning

GitHub

- Titanic Survival Prediction: Built an ML model to predict passenger survival (85% accuracy) using age, gender, and class.
- Movie Rating Prediction: Developed a regression model to estimate movie ratings (MAE: 0.3) based on director, and actors.
- Sales Prediction: Created a Python model to optimize ad strategies, improving forecast accuracy by 18%.

• Collaborative Drawing App

Dec 2024

Python, WebSockets

GitHub

- Enhanced a real-time collaborative drawing and chat application using Python and WebSockets.
- Implemented user authentication, canvas management, and real-time synchronization of drawing actions.
- Added features like undo/redo, chat functionality, and canvas persistence using JSON-based storage.

TECHNICAL SKILLS

- **Programming Languages:** Python, C/C++
- **Machine Learning & Deep Learning:** TensorFlow, Keras, Scikit-learn, LSTM, Regression Models
- **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Tableau, SQL
- **Web Development:** HTML/CSS, WebSockets, JSON, Real-Time Applications, Web API
- **Soft Skills:** Problem-Solving, Analytical Thinking, Team Collaboration, Attention to Detail, Market Research

KEY COURSES TAKEN

- **CSE and Maths:** Introduction to Programming Language, Data Structure and Algorithms, Probability and Stochastics, Differential Equations, Linear Algebra, Advanced Calculus
- **Electrical and Electronics:** Digital Electronics Circuits, Signals and Systems, Basic Electronics, Control Engineering, Circuit Theory, Electromechanics, Material Science for Electrical Engineering, Verilog
- **Others:** Data Science, Supervised Machine Learning, Consultant, SQL, MS Excel

POSITIONS OF RESPONSIBILITY

- **Hall Represntative**, General Championship, IIT Ropar (Winner) 2025
- **Event Coordinator**, Advitiya'24, SkyMasters by (Aero Club), IIT Ropar [Link](#)
- **Mentor**, Robotics Club, IIT Ropar 2023 - Present
- **Coordinator**, Robotics Club, IIT Ropar 2022 - 2023
- **Coordinator**, Aeromodelling Club, IIT Ropar 2022 - 2023
- **Volunteer in Publicity**, EE - RSF, IIT Ropar 2022 - 2023

ACHIEVEMENTS

- **Inter IIT Tech Meet 13.0**, Secured 6th rank in Pathway Challenge (GenAI) among all IITs [GitHub](#)
- **NGO Volunteer**, ATL Lab Renovation Project in Ropar initiated by PES under Deputy Commissioner Feb 2023 - Feb 2024
- **Participation**, Certificate of Participation in annual symposium 'METRIX 5.0' hosted by the Mechanical Department, IIT Ropar