

## Baljyot Singh Khokher

Mumbai Maharashtra | [skbaljyot@gmail.com](mailto:skbaljyot@gmail.com) | 8419900259 | [Github link](#)

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### Education

Thakur college of Science and Commerce      B.sc Data science | CGPA : 7.8/10      June 2022 – May 2025

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### Technical Skills

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| ✓ SQL                | ✓ Data Cleaning        | ✓ Basic Machine Learning |
| ✓ Python             | ✓ OCR                  | ✓ Power BI               |
| ✓ Data visualization | ✓ Statistical Analysis | ✓ Flask                  |
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### Projects

#### **Patient Management System (Flask + SQL + HTML/CSS) : [project link](#)**

Developed a Flask-based web application for efficient patient record management, featuring registration, appointment scheduling, and medical history tracking. Integrated a secure SQL database and designed a intuitive user interface using HTML and CSS.

#### **Pneumonia Detection (CNN + Keras + Chest X-ray Dataset) : [project link](#)**

Built a deep learning model using CNNs to detect pneumonia from chest X-ray images. Applied image preprocessing techniques and trained the model with Keras and TensorFlow, achieving high accuracy and low false positive rate.

#### **Bacterial Strain Detection Model using CNN (ResNet-50) : [project link](#)**

Developed a deep learning model using ResNet-50 to classify bacterial strains from microscopic images. Applied image augmentation, leveraged transfer learning for efficient training, and evaluated performance using accuracy, precision, recall, and F1-score.