

Pratiksha Shrikrushna Bundile

M.Sc. INDUSTRIAL MATHEMATICS WITH COMPUTER APPLICATIONS (IMCA)

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Summary

Motivated M.Sc. Industrial Mathematics with Computer Applications graduate with strong skills in Java, Python, C++, and web technologies. Passionate about software development and object detection, with practical experience through academic and personal projects. Eager to start my career as a Software Engineer, contribute to meaningful projects, and continuously grow in a dynamic and collaborative environment.

Education

M.Sc. Industrial Mathematics with Computer Applications | 2023 - 2025

Fergusson College, Pune | CGPA: 6.66

B.Sc. Mathematics, Computer Science, Statistics | 2020 - 2023

Government Vidarbha Institute of Science and Humanities, Amravati | CGPA: 7.30

12th (Higher Secondary Examination) | 2020

Maharashtra State Board of Higher Secondary Education, Pune | Percentage: 61.84%

10th (Secondary Examination) | 2018

Maharashtra State Board of Secondary Education, Pune | Percentage: 84.20%

Skills

Programming Languages: Java, Python, C, C++.

Web Development: HTML, CSS, JavaScript

Software Development: Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA)

Databases: MySQL, SQLite

Tools & Frameworks: PyQt5, VB.NET, Git/GitHub, Data Mining

Experience

Python Developer Intern- Elendil Pvt Ltd, Pune | Feb 2025 – July 2025

-Built backend APIs using **FastAPI** for the Cash Balancer project.

-Integrated APIs with **React** frontend and optimized performance.

-Implemented **SQL Agent** for natural language queries on **PostgreSQL**.

-Ensured secure coding and efficient backend operations.

Academical Projects

Object Detection System(Python, YOLOv11+Mask R-CNN, Image Segmentation)

-Built a hybrid object detection model using YOLOv11 and Mask R-CNN

-Used TTA and fusion (Hungarian Matching, IoU thresholding) for accuracy

-Improved mAP and F1-score on custom license plate dataset

Billing Software (Python, SQLite, PyQt5)

-Developed an automated POS system for retail.

-Designed an interactive UI for order management using PyQt5.

-Implemented real-time inventory tracking using SQLite, improving stock accuracy.

Food Master DB (VB.NET, SQL)

-Designed a restaurant management system using VB.NET and SQL for order, inventory, and customer management.

Certifications

-Java Programming Certification.

-Machine Learning Techniques Workshop Certificate

Extra-Curricular Activity

- I volunteered on the National Service Scheme during graduation

- I participated in Avishkar as Research project based poster competition during Masters.