SAGAR BHOLA PRAJAPATI
AI & ML Developer | Software Engineer | Python | Deep Learning | C++
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SUMMARY

Enthusiasticand research-driven Software Developer and AI/ML Engineer with hands-on experience as an AI Research Intern at COEP, where I independently developed and trained a custom Convolutional Neural Network (CNN) for computer vision tasks. Ranked 2nd in the Computer Science (AI & ML) program at DY Patil International University. Skilled in Python, C++, Deep Learning, and Mathematical Modeling, with a strong foundation in data structures and algorithms. Passionate about building intelligent, scalable systems and applying machine learning to solve real-world problems.

AWARDS & ACHIEVEMENTS

- Student of The Year (2023–24) │ DY Patil International University │ — **Rank 2 with 9.71 CGPA**
- Student of The Year (2019–20) │ New Model English High School │ — **Rank 1 with 91.20%**
- GeeksforGeeks Rank Holder │ **Institutional Rank 3 (540+ Problems Conquered, DSA in C++)**
- LeetCode

WORK EXPERIENCE

AI Research Intern: COEP Technological University - Pune
May 2025 - Aug 2025

- Created a customdatasetforimageclassification
- Designed and trained a custom CNN architecture
- Conducted comparative studies with standard CNNs to assess accuracy and performance

Web Developer: Qwerty Digital Solution - Mumbai
May 2024 - Aug 2024

- Builtandmaintained responsive websitesusingWordPress
- Customized themes and plugins for unique client needs

Social Media Manager: Umang Foundation - Mumbai
May 2023 - Aug 2023

- Managed content and engagement strategies for NGO initiatives

PERSONAL PROJECTS

Exam Proctoring System
May 2025 - Aug 2025

- Builtasmart examproctoringsystem using CNN and OpenCV for facial recognition and behaviour tracking. Designed and trained a custom **Convolutional Neural Network**
- **(CNN)** to detect face spoofing and head movement. Utilized **YOLOv5** for multi-person detection and live video annotation during exams. Contributed to ongoing research
- evaluating proctoring accuracy and fairness across various lighting and background
- conditions.

Stock Market Prediction Model
Jan 2024 - Apr 2024

- Builtastockprice predictionmodel using **Mathematical Modelling**.
- Preprocessed large financial datasets with **Pandas and NumPy.**
- Visualized trends using **Matplotlib and Seaborn.**
  Achieved ~70% prediction accuracy on test data.

MessNest - Online Food Delivery Platform

Jul 2022 - Sep 2022

- Designed UlusingHTML,CSS,JavaScript,andBootstrap.
- Enabled basic ordering functionality and item catalogue listing.

EDUCATION

BTech CSE
D.Y. Patil International University - Pune │ GPA 9

Aug 2022 - May 2026

High School (Science)
SVKM's Mithibai College of Arts and Science - Mumbai

Jun 2020 - May 2022

School
New Model English High School - Mumbai │ 91.20%

Jun 2009 - Apr 2020

CERTIFICATED

- AWS Cloud Workshop
- Sports Nutrition
- Strength and Hypertrophy

TECHNICAL SKILLS

- **Programming & Scripting:** Python, C++, C, JavaScript, HTML, CSS
- **Databases:** SQL (MySQL, PostgreSQL)
- **AI & Machine Learning:** PyTorch, TensorFlow, Scikit-Learn, NumPy, Pandas, OpenCV
- **Deep Learning & CV Models:** CNN, RNN, LSTM, YOLOv5
- **Data Analysis & Visualization:** Matplotlib, Seaborn.
- **Development & Deployment:** Docker, Git, GitHub, Linux, Jupyter Notebook, VS Code
- **Cloud & Tools:** AWS (EC2, S3 basics), Google Colab, Fusion 360
- **Software Engineering Concepts:** Data Structures & Algorithms, OOP, SDLC, Agile Methodologies, Unit Testing

SOFT SKILLS

- Research Mindset and problem solving skills
- Ability to rapidly build relationship and set up trust.
- Communication skills
- Positive attitude and Time Management
- Good Listener and Good team player

ADDITIONAL INFORMATION

- **Interests:** Body Building, Computer Vision, NLP, Sports Science Nutrition
- **Languages:** Hindi, English and Marathi.