





# PRATHAMESH BAMB

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 [Portfolio](#)

## Education

### Dr. Dy Patil International University

Aug 2021 – June 2024

*Bachelor Of Computer Engineering*

*Pune, Maharashtra*

*Trade: Artificial Intelligence and Machine Learning (AI & ML)*

### Pimpri Chinchwad Polytechnic

Aug 2018 – June 2021

*Diploma Of Computer Engineering*

*Pune, Maharashtra*

## Core Competencies

- **UI/UX Development:** Html 5, CSS, JavaScript.
- **Programming Languages:** Python, SQL, C, CPP.
- **Frameworks:** Tensor Flow, Flask, Django, Bootstrap.
- **Tools:** Git, GitHub, Tableau Public, MySQL Workbench, Power-Bi, Generative AI, Jupyter Notebook, MS Excel.
- **Domain Knowledge:** Machine Learning, Cloud Computing, Data Analytics, Data Visualization, Business Intelligence.
- **Soft Skills:** Analytical Storytelling, Empathetic Collaboration, Curiosity-Driven Exploration, Strategic Decisions.

## Work Experience

### Dr. Dy Patil International University (In-House Internship)

May 2023 - July 2023

*Research Intern*

*Pune, Maharashtra*

- Task: Developed the 'Blood Bank Management System,' a comprehensive software solution for donor registration, blood inventory tracking, and blood type matching, streamlining operations and reducing processing time by 40%.
- Optimized scheduling, storage, and access systems for blood supplies, reducing retrieval times by 30% and enhancing operational efficiency to support critical life-saving medical procedures.

### Vowtech Technologies Pvt. Ltd.

August 2023 - January 2024

*Web Developer Intern*

*Pune, Maharashtra*

- Task: Engineered a fully functional E-commerce platform with HTML, CSS, JavaScript, Bootstrap, Python, and Django, achieved a 50% reduction in page load times, resulting in a 25% boost in user engagement.
- Worked with a supportive team and I reinforced my passion for Web Development and gained valuable insights into project management and teamwork.
- **Achievement:** Published a research paper in reputable international journal.

## Showcase Projects

### Quantum Machine Learning for Image Classification

- Project Description: Created and implemented Quantum Convolutional Neural Networks (QCNN) algorithms for image classification on quantum computers, achieving a 25% increase in classification accuracy and enhancing processing efficiency by 30%.
- Quantum Convolutional Neural Networks (QCNNs) are at the forefront of integrating quantum computing with machine learning, aiming to revolutionize image classification.
- This cutting-edge technology represents a significant step towards the future of quantum-enhanced artificial intelligence.

### Medical Shop Management System

- Project Description: Engineered an advanced inventory management application specifically designed for a medical shop, which integrated owner authentication and authorization protocols, reducing record-keeping errors by 40% and enhancing sales tracking accuracy.
- The application supports real-time updates to keep the owner informed about critical inventory changes.
- Utilized modern web technologies to create a user-friendly interface and ensure seamless operation across different devices.

## Leadership / Extracurricular

### Student Council

*School of Computer Science Engineering & Applications*

- Executed a series of events including workshops and seminars, achieving a rise in student engagement and continually refining activities through systematic feedback collection and strategic adjustments.
- Conducted a thorough evaluation of participant feedback, leading to the introduction of engaging workshops and networking opportunities; these initiatives resulted in a 25% improvement in attendee retention rates at future events.