

# PRATHAM P

LinkedIn: [linkedin.com/in](https://www.linkedin.com/in/prathenkit17)  
+91 6363699833 ♦ [prathenkit17@gmail.com](mailto:prathenkit17@gmail.com)

## EDUCATION

<b>10th Grade (ICSE)</b> St Francis ICSE School — Hongasandra, Bengaluru Score: 93.8%	Apr 2018 – Apr 2019
<b>12th / Pre-University Course (PUC)</b> Christ Academy Junior College, Hullahalli, Bengaluru Score: 95.6%	May 2019 – May 2021
<b>B.E. in Computer Science and Engineering (AIML)</b> JSS Academy of Technical Education, Bengaluru CGPA: 8.0	Aug 2022 – Present

## SKILLS

<b>Languages:</b>	Python, Java, C, HTML, CSS, JavaScript
<b>Core Concepts:</b>	Data Structures and Algorithms, Machine Learning, DBMS, OS, Computer Networks
<b>Frameworks &amp; Libraries:</b>	NumPy, OpenCV, YOLOv3, TensorFlow, Scikit-learn
<b>Platforms &amp; IDEs:</b>	Jupyter Notebook, Visual Studio Code
<b>Tools:</b>	Git, MySQL, Power BI
<b>Soft Skills:</b>	Problem Solving, Team Collaboration, Effective Communication, Analytical Thinking

## PROJECTS

<b>Smart Traffic Management System</b> JSS Academy of Technical Education, Bengaluru - Developed a real-time vehicle detection and counting system using YOLOv3. - Integrated OpenCV and deep learning to dynamically manage signal durations based on congestion. - Enhanced traffic flow by applying intelligent decision-making logic using computer vision.	Nov 2024 - Dec 2024
<b>AI-Powered Health Chatbot for Rural Healthcare</b> -Developed an AI-powered multilingual health chatbot using NLP and ML to provide symptom analysis, telemedicine referrals, and voice/SMS support for rural populations. -Ensured HIPAA/GDPR compliance with WHO/CDC-trained models and collaborated with NGOs to deploy solutions for maternal/child health and chronic disease management.	Mar 2025 - Apr 2025
<b>Healthcare Data Security using Federated Learning &amp; Blockchain</b> -Developed a privacy-preserving healthcare AI system using Federated Learning to train models on decentralized data and Blockchain for secure, tamper-proof record-keeping. -Ensured HIPAA/GDPR compliance through data anonymization and secure aggregation while benchmarking performance against centralized systems for improved privacy & scalability.	Jan 2025 - Apr 2025

## CERTIFICATIONS

<b>Machine Learning Specialization</b> Stanford University — DeepLearning.AI - Supervised/unsupervised learning, recommender systems, reinforcement learning. - Applied machine learning models to real-world problems using industry-standard best practices.	Mar 2025 – Apr 2025
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