



# Praket Aggarwal

Maharashtra, India • praketaggarwal@gmail.com • +91-9987262181 • <https://www.linkedin.com/in/praket-aggarwal/>

## Education

**NMIMS Mukesh Patel School of Technology, Management and Engineering**

Mumbai, Maharashtra

Pursuing B. Tech Information Technology: CGPA: 3.8 out of 4

**Smt. Sulochanadevi Singhania School**

Thane, Maharashtra

12<sup>th</sup> Board Exam: 87.5% in ISC Boards

Graduated: May 2021

## Achievements

- **Runner - up in Build For Bharat Hackathon held by ONDC and powered by Google Cloud For an AI Solution**
- **Contributed a chapter titled "Empirical Analysis of Growth of the IT Sector in India and Its Sustainability in the Future" to the book *Artificial Intelligence and Economic Sustainability in the Era of Industrial Revolution 5.0*, published by Springer.**

## Certifications

- **Microsoft Certified: Azure AI Engineer Associate (AI 102)**

## Experience

**Compusoft Advisors India Pvt Ltd - AI Intern**

May 2023 – July 2023

- Built and deployed a customized GPT Model for Marketplace content creation using Power Platform & Azure OpenAI
- Acquired proficiency in Power Platform, showcasing adaptability and a commitment to staying abreast of cutting-edge technologies.

**Avian Hearts - Game Development Intern**

June 2024 – August 2024

- Cultivated and demonstrated skills in game and level design using Unity and C#.
- Applied agile methodologies and version control technologies like **JIRA** to ensure team collaboration and seamless integration.

**MPSTME ACM - Senior Executive**

August 2022 – May 2023

- Utilized leadership skills to organize and manage intra college coding competitions related to Data Structures and Algorithms.
- Contributed as a teacher for workshops that included teaching python and other essential industry skills like GIT

## Skills

**Programming Languages:** Java, C++, Python, C#, JavaScript

**Development Platforms:** Power Platform, Android Studio, Unity, Firebase, Microsoft Azure

**Frameworks & Libraries:** PyTorch, SciKit-Learn, Streamlit, NumPy, pandas, TensorFlow, Photon, .NET, ASP.NET

**Technical Skills:** Data Structures and Algorithms (DSA), Machine Learning, Problem Solving, Deep Learning, Software Engineering, Object Oriented Programming, Artificial Intelligence

**Version Control:** GIT, GitHub, Git Extensions

## Projects & Activities

**Automated Catalogue Scoring Solution**

- Conceptualized and designed a user-friendly solution to simplify catalogue scoring for online marketplaces
- Utilized ML and OCR technology to provide a comprehensive evaluation on completeness, correctness and compliance to provide a catalogue score.
- Technologies used: Python, Easy OCR, Streamlit.

**Connect 4 Solver- Using Hash Maps and Monte Carlo Search Algorithm**

**C.A.P.T.U.R.E. - Captioning Automated Production for Targeted User Relevance & Engagement**

- Conducted a comparative analysis of image captioning deep learning architectures such as eCNN-dLSTM, eCNN-dCNN as well as transformer models like Blip. Evaluated using CIDEr.
- Put forth a novel solution for image caption transformation and brand personalization using SLM's like Llama 3-8b.
- Captured results of study in a research paper titled: Bridging AI and Branding: Enhancing Consumer Engagement with Sentiment-Aware Caption Generation

**Research Paper – Waitlisted Ticket assignment using Deep Learning model and a Queue Data Structure**

- Presented research findings at the International Conference on Data Analytics & Management 2024

**Research Paper - Building a Machine Learning Model for Sentiment Analysis of McDonalds Reviews**