

# Yash Potdar

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## Summary

I am a highly motivated AI and Data Science student specializing in machine learning, deep learning, and web development. I have hands-on experience leading technical projects and events, where I applied my expertise in Python, AI, IoT, and Linux systems. With a strong foundation in software development and a passion for solving real-world problems, I strive to drive innovation in the AI/ML domain.

## Education

B. Tech, **AISSMS Institute of Information Technology,**  
**Artificial Intelligence & Data Science**

Nov 2022 - 2026(expected)

- GPA: 8.06/10
- **Coursework:** Artificial Intelligence, Deep Learning, Machine Learning, Discrete Mathematics, Statistics, Power BI, Computer Networks, Database Management, Software Engineering, Ethical Hacking, Web Technology, Data Science, Tableau

## Experience

**Google Developer Groups (GDG),** AI/ML Member

Pune, MH

Sept 2024 - Present

- Selected as a member of the **AI/ML team in the GDG on campus**, collaborating with peers on projects, workshops and events centered on artificial intelligence and machine learning.
- Engage in community-driven learning initiatives, such as **contributing to open source projects and participating in hackathons**.

**Artificial Intelligence Student Association,** Technical Secretary

Pune, MH

Sept 2024 - Present

- Developed a **cutting-edge AI-IoT system** utilizing **Arduino Uno and Python** for a reveal mechanism, streamlining processes and increasing efficiency.
- Led the **implementation of AI-driven events** within the association, incorporating the latest industry trends and technologies.

**AI Adventures,** ML Intern

Pune, MH

Jul 2024 - Aug 2024

- Led weekly **knowledge-sharing sessions on emerging trends in AI/ML**, resulting in a **team-wide skill enhancement of 30%** and improved project performance.
- Implemented a **mentorship program for junior interns**, resulting in a **40% increase in project completion rate** and overall team morale.

**Artificial Intelligence Student Association,** Technical Executive

Pune, MH

Sept 2023 - Sept 2024

- Led a **hands-on workshop for 70+ students** on Python programming, introducing key concepts and practical applications that resulted in an **increase in student proficiency by 50%**.
- Assisted in the **planning and execution of a national hackathon** held at AISSMS IOIT, contributing to a **successful event that attracted over 600+ participants** and resulted in the **development of 25+ innovative projects**.

## Projects

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### Redactify

[GitHub Link](#) 

- Developed a **CNN-based deep learning model** to detect and redact PII from government documents with **96% accuracy**.
- Built a secure system for scanned document anonymization, safeguarding confidential data.
- Leveraged **Python, TensorFlow, and OpenCV** to optimize image processing and model training, **improving efficiency by 40% and cutting processing time by 50%**.

### Medicine Reminder App

[GitHub Link](#) 

- Developed a medicine management app using **Google Gemini API and LangChain** for **AI-driven medication scheduling and reminders**.
- Built secure user authentication, scheduling, and interactive visualizations, **boosting user engagement by 30%**.
- Enhanced accessibility with voice features like speech recognition and text-to-speech for hands-free use.
- Streamlined PDF data extraction and database management with Python and SQLite, reducing manual input by 40% and speeding up data retrieval by 25%.

### Flappy Bird AI using NEAT

[GitHub Link](#) 

- Developed a fully functional Flappy Bird game driven by AI, leveraging NEAT and PyGame within Python; trained the neural network to achieve an impressive **95% success rate in gameplay simulations**.
- Configured **NEAT with a population size of 100, a fitness threshold of 1000**, and "max" fitness criteria for performance optimization.
- Utilized **Matplotlib and Graphviz** to visualize training progress and fitness statistics, enhancing interpretability.
- **Modularized code** into 3 components: (1) game logic, (2) NEAT configuration, and (3) visualization tools.

## Certifications

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### BCGX - GenAI Job Simulation (Forage)

[Link](#) 

- Completed a job simulation involving AI-powered financial chat-bot development for BCG's GenAI Consulting team.
- Gained experience in Python programming, including the use of libraries such as pandas for data manipulation.

### Goldman Sachs - Software Engineering Job Simulation (Forage)

[Link](#) 

- Completed a job simulation as a Goldman Sachs governance analyst responsible for assessing IT security and suggesting improvements.
- Identified that the company was using an outdated password hashing algorithm by cracking passwords using Hashcat.

### Google IT Automation Using Python (Coursera)

[Link](#) 

- This six-course certificate, developed by Google, is designed to provide IT professionals with in-demand skills – including Python, Git, and IT automation, Cloud – that can help them advance their careers.
- The hands-on curriculum is designed to teach learners how to write code in Python, with a special focus on how this applies to automating tasks in the world of IT support and systems administration.

### **Full-Stack Web Development Certification** (*Udemy*)

[Link](#) 

- Gained comprehensive skills in building and deploying responsive websites using HTML, CSS, JavaScript, and frameworks like Node.js and React through practical, project-based learning.
- Successfully created a professional web developer portfolio showcasing projects, demonstrating proficiency in front-end and back-end development, and effective version control using Git.

### **Ethical Hacking** (*Internshaala*)

[Link](#) 

- Skilled in identifying and exploiting vulnerabilities such as SQL Injection, Cross-Site Scripting (XSS), and CSRF using tools like Burp Suite, SQLMap, and Nmap, with adherence to OWASP standards.
- Demonstrated ability to secure web applications by simulating attacks, analyzing threats, and generating industry-standard security reports through practical projects.

## **Technologies**

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**Languages:** Python, JavaScript, HTML/CSS, C/C++, SQL, TypeScript, PHP

**Web Technologies:** Node.js, React.js, Next.js, Tailwind CSS, Flask, Django, MERN Stack

**Machine Learning:** TensorFlow, OpenCV, Scikit-learn, Keras, PyTorch, Deep Learning, Reinforcement Learning

**Other Technologies:** Linux, Version Control (Git), Ethical Hacking, Power BI, Tableau, Cloud