

PUNEET VASWANI

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EDUCATION

Indian Institute of Information Technology, Bhopal (IIITB)

August 2023 - Present

B. Tech in Computer Science and Engineering

Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Machine Learning

CGPA as of June 2025: **9.05/10**

WORK EXPERIENCE

AI intern at Across the Globe (ATG)

June 2025 - Present

- Built an end-to-end personalized educational video and playlist generation system using AI, boosting user engagement by 10%.
- Wrote a custom code recording engine from scratch, optimizing resource usage and cut cloud costs by over 50%.
- Discovered and reported 2 critical intranet security flaws: one exposing salary data without authentication, and a stored XSS enabling credential and cookie theft. [Proof](#)

AI/ML Assistant in the college club 'Axios':

October 2024 - Present

- Conducted training sessions within Axios focused on practical applications of AI/ML concepts, doubling member engagement in project collaborations over six months.
- Led collaborative development of AI-driven projects that boosted club visibility and increased participation by 30%.

Teaching Assistant at IIIT Bhopal:

July 2024 - Present

- Engineered a centralized Inventory Management System using Python and SQL, replacing a paper-based system. It reduced inventory discrepancies by 40% and saved 20+ staff hours weekly.
- Collaborated with faculty to design over 20 study materials, including lecture notes and assignments, contributing to a 15% improvement in course satisfaction ratings.

PROJECTS

College Inventory Management System for IIIT, Bhopal® | PHP, MySQL, JavaScript, Bootstrap

[LINK](#)

- Managed over **200+ items** and transactions across **10+ departments**, ensuring secure access.
- Implemented role-based authentication and inventory tracking, improving efficiency by **30%**.

English to French Translator | python, TensorFlow

[LINK](#)

- Trained an **LSTM-based Neural Machine Translation (NMT) model** to translate English sentences into French using **232K sentence pairs** and reached an **average BLEU score of 27.44**.

Gemini-Powered App Automation System | Python, Gemini API, WebSocket, JWT, GitHub Actions

[API doc](#) | [GIT](#)

- Automated app workflows using Gemini 2.0 Flash via WebSocket and REST, cutting product listing time by 70%.
- Secured operations with JWT auth and rotating logs; enabled seamless deployments through GitHub Actions CI/CD. ([workflow YAML](#)).

Hybrid ANFIS with PSO/GA Optimization | python, TensorFlow

[NOTEBOOK](#)

- Developed a hybrid ANFIS model optimized via PSO/GA, improving prediction accuracy to 83.16% by tuning membership functions and rule parameters.

ACHIEVEMENTS AND CERTIFICATES

- **1st Place** in Hack-O-Sprint Hackathon for developing an innovative solution addressing a key industry challenge, outperforming over 50 teams.
- **3rd Position** in ML Quest Hackathon organized by **IEEE CIS, GHRCE, Nagpur**, showcasing machine learning expertise.
- Kaggle S5E5: Ranked **1474/4314**, showcasing practical ML expertise.
- Attained a **CodeForces** rating of **1400+(Specialist)** demonstrating expertise in complex algorithm design.
- **JEE Advanced 2023**: Secured All India Rank **10298**; **JEE Mains 2023**: Scored **97.91** percentile.
- Qualified the NSTSE exam with an **All-India Rank of 853**.
- Achieved **66th position** in GeeksForGeeks' Bi-Wizard 17.0 contest, showcasing strong algorithmic understanding.

ADDITIONAL INFORMATION

Technical Skills: Python, C++, JavaScript, Bash, HTML5, CSS, OOP, DSA, MySQL, LLMs

Technologies & Tools: NumPy, Pandas, Scikit-Learn, Matplotlib, TensorFlow, FastAPI, Django, Git, GitHub Actions, LangGraph

Soft Skills: Leadership, Team Management, Creativity, Collaboration, Communication

Languages: English, Hindi, French, Marwari, Sindhi