

# Arushi Waddepalli

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## EDUCATION

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- **Indian Institute of Information Technology** Lucknow, India  
*Bachelor of Technology - Information Technology; CGPA: 8.7* Aug 2024 - Jun 2028
- **FIITJEE Junior College** Hyderabad, India  
*Telangana State Board of Intermediate Education; Grade: 96.4%* Aug 2022 - Jun 2024
- **Glendale Academy** Hyderabad, India  
*Central Board of Secondary Education; Grade: 99.2%* Jun 2012 - Jun 2022

## SKILLS SUMMARY

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- **Courses:** Web Design, Database Management Systems, Data Structures and Algorithms, Object Oriented Programming
- **Languages:** Python, C, C++, JavaScript, SQL
- **Frameworks:** Scikit, NumPy, Pandas, Matplotlib, Seaborn, Keras, Flask, React, Tensorflow, PyTorch, Firebase SDK
- **Tools:** GIT, GitHub, VSCode, Canva, MySQL
- **Platforms:** Linux, Web, Windows
- **Soft Skills:** Leadership, Deadline Management, Communication, Strategic Decision Making, Technical Writing

## PROJECTS

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- **Aletheia (link):** An AI-powered tool that detects, explains, and mitigates bias across text and images.
  - Implemented sentence- and article-level bias classification with token-level explanations, enhancing interpretability by **92%** and helping users understand how language shapes narratives. Integrated the Google Gemini API to rephrase biased text into factual, neutral alternatives.
  - Deployed CNN- and YOLO-based modules with **84%** accuracy for deepfake and manipulation detection, supporting multimodal media verification. Secured analyses in Firebase Firestore to enable research-grade longitudinal audits.**Tech Stack:** Python, FastAPI, HuggingFace Transformers, SHAP, CNNs, YOLO, React, Firebase (**Sep '25**)
- **IIITL Exam Cell Management System (link) :** A secure, scalable exam cell management platform for IIIT Lucknow.
  - Integrated OTP and JWT-based authentication for access control, and implemented automated PDF certificate generation using SHA-256 digital signatures. Streamlined student-admin communication with real-time notifications via email, WhatsApp, and Firebase reducing response time by **23%**.
  - Designed an intuitive React dashboard for admin management and student tracking, enhancing data integrity and operational efficiency by **60%**.**Tech Stack:** Java, Spring Boot, Spring Security, MySQL, JWT, iText, WhatsApp Business API, Firebase Admin SDK, React, Vite, Tailwind CSS, TypeScript (**Jul '25**)
- **emPOWER (link)(Google Solution Challenge 2025 Team Project):** Part of an all-women team that engineered a multi-purpose empowerment platform.
  - An AI legal chatbot delivering actionable guidance on female foeticide laws, increasing accessibility to legal information. Optimized career and scholarship recommendations using the Google Gemini API, personalizing opportunities for women.
  - A gender-based pay comparison tool enabling data-driven salary benchmarking and equity analysis. A menstrual health quiz to provide personalized health insights and awareness.**Tech Stack:** Python, Sklearn, Numpy, Pandas, Google API, Flask, HTML, CSS, Javascript (**Apr '25**)

## ACHIEVEMENTS

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- **Mentorship:** One among **47** students selected across India for the prestigious **PayPal Career Academy** program.
- **AISSE Board Exams:** Ranked among India's **Top-5** demonstrating academic excellence.
- **Problem-Solving:** Solved **800+** problems across LeetCode, CodeChef, and Codeforces.
- **LeetCode: Knight** with a max. rating of **1878** showcasing consistency (handle: **Ash\_Waddepalli**).
- **CodeChef: 3\*** with a max. rating of **1648**, highlighting problem-solving proficiency (handle: **hard\_ally\_76**).
- **Codeforces: Pupil** with a max. rating of **1263** embodying critical thinking (handle: **risingstar9**).
- **Hacktoberfest '25:** Earned the **Supercontributor** badge (among first 10,000 to have 6 pull requests accepted).
- **SheCodes by C4GT:** Contributed to the **Medic** open-source repository, collaborating with a global developer community.

## POSITION OF RESPONSIBILITY

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- **Member at Axios - ML Wing, IIITL** Lucknow, India  
*Mentored 250+ juniors by conducting ML sessions, organizing kaggle competitions.* Sep 2025 - Present
- **Member at GDG - Outreach Wing, IIITL** Lucknow, India  
*Responsible for industry relations and collaborations with other GDGs nationwide.* Sep 2025 - Present