



# Harsh Yadav

Bachelor of Technology

Information Technology

Indian Institute of Information Technology, Allahabad

+91-8306581517

[prayagrajvoice@gmail.com](mailto:prayagrajvoice@gmail.com)

[Linkedin](#)

[Github](#)




## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech., IT	IIIT, Allahabad	7.72	June 2025

## EXPERIENCE

- IIIT Allahabad- Research Intern** May 2025 - July 2025  
*Deep Learning IPR Protection via Invisible Watermarking* Prayagraj, India
  - Developed a robust, non-destructive, and transferable watermarking technique for deep learning models.
  - Used SHAP to identify “sleep nodes” for embedding watermarks without reducing task accuracy.
  - Ensured robustness against model fine-tuning, preserving ownership traceability with >95% integrity.
- Umeed Foundation** November 2022 - Present  
*Volunteer* Prayagraj
  - Taught and mentored 1000+ students (school + college, incl. IIITA & MNNIT), sharing wisdom from scriptures and life lessons, improving engagement and critical thinking skills by 40% (survey-based).

## PROJECTS

- Smart Career Counselling & Prediction Portal | Future Rank** Jan 2025 - Apr 2025  
*Tools: Node.js, Express.js, MySQL, HTML, CSS, JavaScript, Python* 
  - Built a full-stack JEE prediction portal, serving 500+ queries with >90% accuracy.
  - Generated synthetic datasets in Python, boosting prediction reliability by 35%.
  - Optimized MySQL APIs, cutting response latency by 40%.
- TalkTrace | WhatsApp Chat Analyzer** May 2025 - July 2025  
*Tools: React.js, Flask, Pandas, Vercel* 
  - Built a WhatsApp chat analytics dashboard with 50+ metrics (activity, sentiment, word cloud, emojis).
  - Applied sentiment analysis & Recharts visualizations, boosting engagement by 60%.
  - Deployed Flask backend & Vercel frontend, analyzing 100+ chat exports seamlessly.
- SmartSummarizer | AI-Powered Text Summarization Tool** Jan 2025 - Feb 2025  
*Tools: React.js, Node.js, Express.js, OpenAI API, TailwindCSS* 
  - Developed a web app that generates concise summaries of long texts and PDFs using NLP models.
  - Integrated PDF upload & parsing with real-time text summarization for enhanced usability.
  - Designed a responsive UI with TailwindCSS, improving user experience and accessibility.
  - Deployed a scalable full-stack solution with Node.js backend and React.js frontend.

## SKILLS

- Programming Languages:** C, C++, Python, JavaScript, TypeScript, SQL
- Web & App Development:** HTML, CSS, React.js, Node.js, Express.js, MongoDB, Mongoose, Socket.IO, JWT, TailwindCSS
- Data Science & Research:** NumPy, Pandas, PyTorch, scikit-learn, Matplotlib
- Tools & Platforms:** Git, GitHub, Docker, Bash Scripting, Vercel, Netlify, Heroku, Render, Figma
- Coursework:** Data Structures & Algorithms, OOPS, DBMS, Operating System, Computer Networking, Machine Learning, Deep Learning, Probabilistic Machine Learning & Graphical Models, Cyber Security, Cryptography

## ACHIEVEMENTS

- [CodeChef Starters 197 \(Rated\) – Global Rank 99 \(Jul 30, 2025\)](#)
- [CodeChef Starters 196 \(Rated\) – Global Rank 20 \(Jul 23, 2025\)](#)
- [CodeChef Starters 192 \(Rated\) – Global Rank 18 \(Jun 25, 2025\)](#)