Abhey Tiwari
Software Engineer (AI & Web)

CONTACT ME

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in **LinkedIn**

Education

Bachelor of Science (BSc), Mathematics & Computer Science

Maharaja Agrasen College, University of Delhi • Aug 2023 – Aug 2027

Societies and ECA

- Chakraview (Debate)
- G-वन (Environment)
- IGNITE (Entrepreneurship)
- MacStack (Computer Society)
- NSS

Languages

- Hindi
- English
- German

Hobbies

- Research
- Debating
- Codding
- Cycling

ABOUT ME

Multidisciplinary tech enthusiast with a BSc in Mathematics and Computer Science from the University of Delhi. Adept in full-stack development, AI/ML systems, and independent research. Experienced in building deployable, privacy-first software and solving real-world problems at the intersection of Math, Markets, and Machine Learning. Passionate about ethical AI, sustainable innovation, and academic inquiry.

EXPERIENCE

- **Frontend Web Developer**   Sep – Dec 2024
  BeyondRiffs (Remote Internship)
  Worked on full-stack development of a music-tech platform. Led UI improvements, performance optimization, and modular backend development using Django & FastAPI.
- **Website Developer (Freelance)**   Jul – Nov 2023
  Mangalam Valley Resort
  Built and deployed a complete booking-enabled web platform. Handled client coordination, design, and post-deployment support.

PROJECTS

AI Hallucination Prediction Model (Mar 2025)
Developed an ML model to predict hallucination risk in third-party LLMs using uncertainty modeling and AI interpretability (e.g., SHAP). Independent research-based system.

Multimodal AI for Skin and Brain Cancer Detection (Mar 2025)
Built a hybrid model combining CNN image classification and traditional ML for medical diagnostics. Optimized for deployment in low-resource medical settings.

FileShare – Local Cloud Alternative (Dec 2024)
Created a LAN-based file-sharing platform for privacy-first data transfer across PCs. Leveraged FastAPI, Flask, Django, and local storage infrastructure.

INDICA (AI Desktop Assistant) (Mar 2024)
Python-based assistant with task automation, multithreading, NLP, and voice command capabilities. Performs system tasks and retrieves contextual data.

TECHNICAL SKILLS

- **Languages & Frameworks:** Python, C++, HTML5, CSS3, FastAPI, Django, Flask, JavaScript (Basic), TensorFlow, PyTorch, Scikit-learn, Bootstrap, Material UI
- **AI/ML:** CNNs, LLMs, Prompt Engineering, NLP, Transfer Learning, XGBoost, SHAP, AI Evaluation, Data Science
- **Web Dev:** Full-stack Development, Responsive Design, UI/UX, Local Network Systems, Server Management
- **Tools:** Git, GitHub, Google Colab, Figma, Microsoft 365, VS Code, Linux