

# AKSHAT GUPTA

+91 9855840437

✉ akshat.gupta.ug23@plaksha.edu.in

in LinkedIn

Github

akshat3144.vercel.app



## EDUCATION

BTech - Computer Science & Artificial Intelligence	Plaksha University, Mohali	9.00 CGPA	2027
12th - CBSE	Gurukul Global School, Chandigarh	93.8%	2023
10th - CBSE	Gurukul Global School, Chandigarh	93.8%	2021

## WORK EXPERIENCE

- Research Associate | University of Missouri Trulaske College of BusinessJuly 2025 - Present
  - Working on a research project exploring **behavioral responses** and **algorithmic fairness** under Professor Anuj Kapoor.
  - Utilizing **proprietary data** from a fintech application to conduct **analysis**, **extract insights**, and **inform decision-making**.
- SWE Intern | Bharti Airtel FoundationJune 2025 - August 2025
  - Developed a **Bug Tracking Helper Tool** using **FastAPI**, **React**, and **PostgreSQL** to streamline bug management for TheTeacherApp.
  - Automated **bug detection** and **classification** using an **AI agent on CSV support dumps**, significantly boosting accuracy & efficiency.
  - Designed admin and assignee dashboards with **role-based access control** to ensure efficient bug management and resolution.
- Web Developer | LD EnterprisesOctober 2024 - November 2024
  - Built and deployed the official company website using **Next.js** and **MongoDB** in under 30 days.
  - Enhanced **online visibility** and **engagement** through effective SEO strategies, resulting in a **65% increase in traffic** within a month.

## PROJECTS

- InstaStay (Next.js, TypeScript, Tailwind CSS, Sanity, PhonePe API, Cron jobs, OAuth)May 2025 - June 2025
  - Built a full-stack **hotel booking platform** with real-time room availability, dynamic pricing, and **PhonePe payment integration**.
  - Implemented **guest features** like filtered room browsing, cart-based booking, user authentication, and review system.
  - Developed an **admin dashboard** using **Sanity CMS** to manage rooms, pricing, availability, and booking analytics.
  - Enabled **automated room availability updates** post-checkout using Node-Cron and set up **refund processing** for cancellations.
- StormShield (Python, ML, Data Science, Time Series, NLP, LSTM, RF, XGBoost, LightGBM)March 2025 - April 2025
  - Designed a **severity-aware ML pipeline** to predict storm-induced power outages using **NOAA**, **EAGLE-I**, and **PRISM data**.
  - Engineered **lagged temporal features**, implemented one-to-one and many-to-one forecasting to capture **storm-outage patterns**.
  - Achieved **F1-scores up to 0.98** across severity-specific models with an **overall pipeline score of 0.85**.
  - Automated **preprocessing**, **NLP-based feature extraction**, and hyperparameter tuning using Optuna.
- InkQuiry (FARM stack, TypeScript, Tailwind CSS, JWT, LLM)December 2024
  - Made an **AI-powered drawing app** that interprets sketches to solve problems, recognize objects, and creative responses.
  - Developed a real-time drawing canvas with **variable handling**, **notebook saving**, and **JWT-secured user authentication**.
  - Integrated **AI interpretation** for **dynamic use cases** like math/physics solving, flag detection, and diagram analysis.

## POSITIONS OF RESPONSIBILITY

- Co-Founder | Drift AIIune 2025 - Present
  - Founded an **Agentic AI agency** that designs and deploys autonomous workflows to streamline business operations.
  - Built and launched the **official website** to showcase our **service offerings**, **integrations**, and **strategic value proposition**.
  - Designing **custom AI agents** for sales, marketing, and internal ops to **reduce clients' repetitive manual workloads**.
  - Led outreach and marketing to drive **client acquisition**, **build brand presence**, and **communicate value** effectively.
- Founding President | Geek Room PlakshaSeptember 2024 - Present
  - Established the club to **promote coding and technology** on campus; currently **leading a team of 20+ members**.
  - Organized **9+ tech events** and **workshops** with a total **turnout** of over **500 students**.
  - Hosted **Hack Summit**, the biggest **inter-college hackathon** of Plaksha University with **270+ participants** across the country.
  - Created and managing the **website** showcasing **events**, **projects**, and **milestones**.

## SKILLS

- Expertise & Tools:** AI/ML, Data Science, DSA, OOPS, DBMS, CN, RESTful APIs, AI Automation, Git, Docker, Postman, AWS
- Programming Languages & Databases:** Python, C++, JavaScript, SQL (PostgreSQL, MySQL, SQLite), MongoDB
- Frameworks & Libraries:** React.js, Next.js, Node.js, Express.js, Flask, FastAPI, TensorFlow, Keras, PyTorch, OpenCV
- Certifications:** Machine Learning Specialization (Coursera), Full Stack Development (Udemy), DSA (PW Skills)

## ACHIEVEMENTS

- Dean's List Awardee:** Recognized among the **top 7 students** of the batch for **outstanding academic performance**.
- UN Millennium Fellow:** Selected among the **top 5%** for my project '**AIEntrepreNova**' out of **52,000+ applicants across 119 nations**.
- Hack Plaksha Winner:** Secured **1st prize** in the **EdTech track** outperforming **12 competing teams**.
- Bharti Scholar:** Awarded a **Full-Ride Scholarship** valued at approximately \$45,000, one of only **200 recipients nationwide**.