




ASHU KUMAR JHA

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Education

Indraprastha Institute of Information Technology, Delhi
Bachelor of Technology in Computer Science and Applied Mathematics

November 2022 - April 2026
CGPA: 7.1

Work Experience

- **Junior Software Developer @LLUMO AI** (Part-time) **Aug 2025 - Present**
Building AI-powered products for businesses using **Machine Learning**. Conducted data interpretation and feature analysis to identify patterns and improve model performance and business insights. Performed data exploration and interpretation to guide model selection and enhance prediction accuracy.
Working with **MongoDB** and **FastAPI** for back-end development, API integration, and scalable data handling to support enterprise-grade client platforms.
- **Research Intern at Complex Systems Lab, IIITD** **Aug 2023 – Dec 2023**
Guide: Prof. Ganesh Bagler
Curated data using Selenium and **MongoDB**, visualized and classified it using **NumPy**, Pandas, and Matplotlib, and explored ML models with **Scikit-learn**.

Projects

- **Stackify – Full-Stack E-commerce Web App** — [GitHub](#) — [Demo Vid](#)
Developed a **MERN**-based shopping platform with GitHub OAuth, product filters, cart, and admin dashboard. Integrated **React**, **Tailwind**, **node.js**, Express, and MongoDB Atlas.
- **Django Real-Time Chat Application** — [GitHub](#) — [Demo Vid](#)
Built a real-time group chat app using Django, Channels, and WebSockets with user auth and persistent message storage. Deployed on PythonAnywhere with Tailwind-styled UI.
- **Startup Pitching Platform** — [GitHub](#) — [Demo Vid](#)
Built a full-stack app using **Next.js**, **Sanity CMS**, and **NextAuth** for pitching startups, voting, and editor curation. Included GitHub OAuth, dynamic search, markdown editor, and real-time views.
- **Weatherly App (Kotlin)** — [GitHub](#) — [Demo Vid](#)
Android weather app with Retrofit, **Room DB**, and WorkManager for real-time and historic data.
- **StickHero Game (JavaFX)** — [GitHub](#) — [Demo Vid](#)
Replica of StickHero using **OOP**, **JavaFX** and **Scene Builder** built in a 2-member team.
- **BigStep-CustomFit (SQL)** — [GitHub](#)
SQL-based customizable shoe ordering platform with inventory and secure transaction management. Team size: 2.

Skills

Expertise Area: Web Dev (HTML, CSS, React, Next.js), Django, FastAPI, Flask, NumPy, PyTorch, TensorFlow
Languages: Python, C/C++, Java, JavaScript, MySQL, MongoDB, Haskell
Tools & Tech: Git, GitHub, Linux, Figma, Docker, RStudio, JavaFX, Canva, Miro, PixelArt, Google Colab, WSL, Bash Shell, Vertex AI, LangChain, Hugging Face, Scikit-learn, [Generative AI](#)
Electives: Operating System, Computer Organisation, Data Structures and Algorithms, Computer Networks, Database Management System, Artificial Intelligence, Machine Learning, Mobile Computing, Adv. Programming

Positions of Responsibility

Organizing team member for campus events at IIITD: **ASTRA (Sports Fest)**, **ODYSSEY (Cultural Fest)**, **E-Summit (Entrepreneurship Fest)**, and **ESYA (Tech Fest)**.