

KUSHAL MITTAL

Final Year Undergraduate, A Stackless Engineer

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EDUCATION

Poornima College of Engineering

B.Tech in Artificial Intelligence and Data Science

2022 – 2026

CGPA: 9.44 / 10.0

EXPERIENCE

Ernst & Young (EY)

Jul 2025 – Present

AI/ML Intern

Bengaluru, India

- Enabled scalable data preprocessing and analysis of large datasets by designing ML workflows in **PySpark**, executed on **Databricks** and Jupyter; recognized for **analytical reasoning** and efficient problem resolution.
- Improved client automation and information retrieval through **Generative AI solutions** built with **LangChain**, showcasing **creativity** and adaptability to emerging technologies.
- Worked closely with senior consultants in an **agile environment** to embed AI solutions into enterprise systems, enhancing process efficiency and strengthening cross-functional **collaboration** and communication.

National Informatics Centre (NIC)

May 2025 – Jul 2025

Machine Learning Intern

Lucknow, India

- Streamlined help-desk operations by extracting and structuring 10K+ emails into **CSV** format using **Python**, reflecting strong **attention to detail** and data handling precision.
- Conducted **EDA, data cleaning, and supervised ML modeling** to classify emails into predefined categories, demonstrating **critical thinking** and logical problem structuring.
- Integrated the trained model with a **REST API**, enabling real-time label assignment for new emails, reducing manual effort and highlighting **initiative** and accountability.

Compucom Software Limited

Jun 2024 – Sep 2024

Backend Developer & ML Intern

Jaipur, India

- Designed 15+ **RESTful APIs** in **PHP** for hotel booking and inventory management, validated with **Postman** to ensure reliable backend performance; demonstrated effective **time management**.
- Developed a hotel booking cancellation prediction model using data from 7 hotels, applying **EDA, preprocessing, and supervised ML techniques** to predict booking conversion rates with accuracy.
- Transformed analytics into actionable insights that guided hotel operations, reflecting strong **decision-making, problem-solving**, and ability to communicate findings with stakeholders.

Phoenix Advanced Softwares Pvt. Ltd.

Aug 2023 – Sep 2023

Web Development Intern

Jaipur, India

- Enhanced user engagement by 15% through 10+ responsive web pages built with **HTML, CSS, JavaScript**, and **PHP**, reflecting **creativity** and user-centric design thinking.
- Strengthened security across applications by implementing **JWT-based authentication** and session handling, demonstrating **reliability** and sound technical judgment.
- Automated data scraping from 50+ sources using **Selenium**, improving refresh frequency and reducing manual workload, showcasing **self-motivation** and proactive execution.

PROJECTS

RAWG GameHub | React, Redux Toolkit, Clerk Auth, React-Bootstrap, RAWG API

[GitHub](#) | [Live Demo](#)

- Built a scalable **game discovery platform** integrating **Clerk authentication** and **RAWG API**, showcasing data for 500+ games.
- Applied **real-time search**, 5+ filters, sorting, and pagination using **Redux Toolkit**, improving user navigation experience.
- Designed a responsive and dynamic UI using **React-Bootstrap** and **custom CSS**, with personalized **bookmarking system** for 100+ saved games.

Car Price Predictor | Python, Scikit-Learn, Flask, Jupyter, PyCharm

[GitHub](#)

- Built a machine learning pipeline to predict prices for 1,200+ cars using **Linear Regression**, achieving over **85% accuracy**.
- Performed data cleaning, encoding, and **feature engineering** with **Pandas/NumPy**, improving model performance by 12%.
- Deployed the model with a **Flask web app**, allowing users to get price estimates based on 5+ input features.

Custom CMS | PHP, MySQL, HTML, CSS, JavaScript

[GitHub](#)

- Designed a secure CMS for blog publishing with **role-based access control (admin/editor)**, managing 20+ pages.
- Engineered a normalized **MySQL database schema** and used **JOIN queries** for real-time data retrieval.
- Executed full-stack **CRUD operations**, login authentication, and form validation with **PHP sessions** and **Bootstrap/Flexbox** UI.

SKILLS

Programming Languages: C, C++, Python, HTML, CSS, JavaScript, PHP

Frameworks & Libraries: React.js, Node.js, Express.js, Bootstrap, Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn

Databases: MySQL, MongoDB

Tools & Platforms: Postman, VS Code, PyCharm, Jupyter, Google Colab, Git/GitHub, Kaggle, Replit, Vercel

Course Works: SE, DSA, DBMS, CN, OOPS, OS, DMT, CD, AOA, CC, AI, ML, ANN

ACHIEVEMENTS AND CERTIFICATIONS

- Qualified **GATE 2025 – CS** with a score of **477** and **AIR 8217**, demonstrating strong foundational knowledge in core CS subjects.
- Secured **1st Place** in **Blind Coding** at **Aarohan 2024** held at both PCE Jaipur and PIET Jaipur among 60+ participants.