

Hemant Kumar

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EDUCATION

- Indian Institute of Technology (IIT), Patna** Patna, India
• *Bachelor of Technology - Computer Science And Engineering; GPA: 9.40* Aug. 2023 - May 2027 (Expected)
Courses: Data Structures, Algorithms, Artificial Intelligence, Digital Logic and Computer Organization, Discrete Math
- LBS Sr. Sec School, Kota** Kota, India
• *Senior School Certificate Examination (CBSE), Percentage: 96%* 2023

EXPERIENCE

- Revspot.ai** Remote
• *Software Development Intern* Aug. 2024 - Sept. 2024
 - Developed a responsive, user-friendly website, improving engagement & conversion rates. [Link: revspot.ai](https://revspot.ai)
 - Contributed to the development of a **profile fit model**, to predict lead conversion on a **raw and highly skewed dataset** by oversampling the minority class. Achieved a 97% accuracy and ROC AUC of 80%
 - Integrated **Auth0-based authentication** for secure multi-organization access.

PROJECTS

- OneIITP App (App Development)** [PlayStore](#)
Official app for IIT Patna students, containing more than 2000+ active users Aug. 2024 - Jan., 2025
 - Tools & technologies used:** React Native, Firebase, Microsoft Azure based authentication
 - A one-stop app for students of IIT Patna covering a large range of daily needs.
 - Features:** Live bus schedule, Blogs, Class Time Table, Attendance Tracker, Institute Marketplace, Upcoming Events, Dynamic Quick Links, Emergency Contacts, Food outlets, Admin Mode.
 - Developed a **dynamic QR-based anti-proxy** attendance system that is non-shareable and can only be securely scanned by OneIITP. (Attendance System Link)
- Alloc8.in (Full Stack Development)** [alloc8.in](#) — [Source Code](#)
The official hostel allocation website of IIT Patna. Jun. 2024
 - Tools & technologies used:** NodeJS, ReactJS, TailwindCSS, MongoDB, Redis, AWS
 - Created a movie seat booking like system for hostel room booking.
 - Executed **Redis** lock to prevent race conditions on the database due to **simultaneous high traffic** of more than 6000 users in 2 hours.
- Dream11 Team Prediction (ML)** [Source Code](#)
Created a Team Prediction system in InterIIT for Dream Sports Dec. 2024
 - Trained an ANN-based fantasy score prediction model on **ball-by-ball data from 18,402 matches**.
 - Used **three.js** to create a compelling animated website for selecting two teams, match type, and match date for prediction.
 - Used Google Cloud Platform to implement **translation** and **text to speech** in **15 Indian languages**.

SKILLS SUMMARY

- Languages:** Python, C, C++, JavaScript, Typescript, SQL, Java
- Frameworks:** Scikit-learn, TensorFlow, PyTorch Django, Flask, NodeJS
- Tools:** Docker, Git, MongoDB, MySQL
- Platforms:** Linux, Web, Android, Arduino, AWS, GCP, Azure

ACHIEVEMENTS

- ICPC Regionalist:** Secured an All-India Rank of 26 at the ICPC Chennai Regionals 2024. 2024
- Led one of the top 6 teams** worldwide in Rhymes.ai's generative AI hackathon hosted on lablab.ai. 2024
- Secured 2nd Position in Codepeak 2023** one of the biggest open-source event in India. 2023
- Secured a rank of top 0.2%** of all students who appeared for JEE Advanced exam. 2023
- scored 99.72 percentile** in JEE MAINS exam. 2023

VOLUNTEER EXPERIENCE

- Overall Organizer,** Google Developer Groups on Campus, IIT Patna Aug. 2024 - Present
- Sub-Coordinator,** NJACK, the programming club of IIT Patna Jun. 2024 - Dec. 2024