

Hemant Kumar

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EDUCATION

- Indian Institute of Technology (IIT), Patna** Patna, India
• *Bachelor of Technology - Computer Science and Engineering; GPA: 9.09* Aug. 2023 - May 2027 (Expected)
Courses: Algorithms, Artificial Intelligence, Discrete Math, Computer Architecture, Entrepreneurship, Database
- LBS Sr. Sec School, Kota** Kota, India
• *Senior School Certificate Examination (CBSE), Percentage: 96%* 2023

EXPERIENCE

- Revspot.ai** Remote
• *Full Stack Development Intern* Aug. 2024 - Oct. 2024
 - Contributed to the development of a **profile fit model**, to predict lead conversion using a **raw and highly skewed dataset** by oversampling the minority class. Achieved 97% accuracy and ROC AUC of 80%
 - Developed a responsive, user-friendly website, improving engagement & conversion rates.
 - Integrated Auth0-based JWT authentication for secure multi-organization access for 4 organizations.

PROJECTS

- SoulScript - AI Mental Health Therapist (GenAI)** [Deployed Link](#) — [Source Code](#)
SoulScript is an AI mental health therapist that talks to you in realtime and helps you know about yourself. Apr. 2025 - Jun. 2025
 - Tools & technologies:** Gemini, Google Agent Development Kit, Typescript, Flask
 - Developed a real-time conversational AI avatar with <1s audio latency, enabling seamless voice interactions using Gemini's native audio APIs,
 - Engineered a multi-agent system using Google ADK and Python Flask backend to dynamically generate therapeutic responses and track session progress across 1000+ concurrent users.
 - Implemented automated persona report generation via Retrieval-Augmented Generation (RAG) on psychological literature, enhancing therapy personalization for over 90% of users.
- Fantasy Sports Score Prediction (ML)** [Source Code](#)
Cricket player performance prediction created for InterIIT Tech Meet 2024 Nov. 2024 - Dec. 2024
 - Tools & technologies:** PyTorch, Google Cloud Platform, NextJS, Three.js,
 - Trained an ANN-based fantasy score prediction model on **ball-by-ball data containing 18,402 matches** from cricsheet.
 - Used **Three.js** to create a compelling animated website for selecting teams, match type, and match date for prediction.
 - Integrated Google Cloud services for **translation** and **text-to-speech** in **15 Indian languages**.

SKILLS SUMMARY

- Languages:** Python, C, C++, Rust, JavaScript, Typescript, SQL
- Frameworks:** Scikit-learn, TensorFlow, PyTorch, Flask, NodeJS
- Tools:** Docker, Git, MongoDB, MySQL
- Platforms:** Linux, Web, Android, Google Cloud Platform
- Soft Skills:** Teamwork, Leadership, Communication, Analytical Solving

ACHIEVEMENTS

- Rank 24 in NK Securities Research Hackathon** for implied volatility prediction among 2095 entrants. 2025
- Selected among Top 100 projects** for Google Solutions Challenge 2025. 2025
- ICPC Regionalist:** Secured an All-India Rank of 26 at the ICPC Chennai Regionals 2024. 2024
- Rated Expert (max. rating 1621) on Codeforces (XGB)** 2024
- Secured 2nd Position in Codepeak 2023** a prestigious one-month-long open-source event. 2023
- Secured 2552 rank (top 0.2%)** of all students who appeared for JEE Advanced exam. 2023

POSITION OF RESPONSIBILITY

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