Hemant Kumar

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EDUCATION

- **Indian Institute of Technology (IIT), Patna** — Patna, India
  *Bachelor of Technology - Computer Science and Engineering; **CPI: 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*

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 among 64,000 participants. — *2025*
- **ICPC Regionals:** Secured an All-India Rank of 26 at the ICPC Regionals 2024. — *2024*
- **Rated Expert (max. rating 1621) on Codeforces** (Profile: 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*

EXPERIENCE

- **Revspot.ai** — Remote
  Software Development Intern — *Aug. 2024 – Oct. 2024*
  - Built a **lead conversion prediction model** using oversampling techniques on a skewed dataset, achieving **97% accuracy** and **80% ROC AUC**, enhancing sales intelligence.
  - Developed a secure, multi-tenant platform with **JWT Auth0-based authentication** and a **responsive web interface**, improving client access across **4 organizations** and increasing user engagement. [**revspot.ai**]

PROJECTS

- **SoulScript - AI Mental Health Therapist (GenAI)** — **Deployed Link** — **Source Code**
  AI mental health therapist that talks to you in realtime and helps you know about yourself. — *Apr. 2025 – Jun. 2025*
  - Built a real-time conversational **AI avatar with <1s audio latency** using **Gemini's native audio** APIs and **Google ADK**, scaling to **1K+ concurrent users**.
  - Automated user-specific persona reports via **RAG on psychology literature**, increasing therapy personalization accuracy by **90%**.

- **OneIITP - Official Cross Platform App of IIT Patna** — **Play Store** — **App Store**
  Gained more than 2000 active users within a week — *Aug. 2024 – Jan. 2025*
  - Led development of **OneIITP**, IIT Patna's official cross-platform app using **React Native and Firebase**, gaining **2000+ active users in the first week** with live bus schedules, events, marketplace, and admin panel across Android and iOS.
  - Engineered an encrypted, dynamic **QR-based attendance system** that refreshes every second, cutting **proxy attendance by 96%**; deployed at **oneattend.vercel.app**.

- **Fantasy Sports Score Prediction (ML)** — **Source Code**
  Cricket player performance prediction created for InterIIT Tech Meet 2024 — *Nov. 2024 – Dec. 2024*
  - Trained ANN model on **18,402-match ball-by-ball dataset** from Cricsheet to predict player fantasy scores with **81% accuracy**.
  - Created animated team selection interface using **Three.js** and integrated **text-to-speech/translation in 15 Indian languages** via GCP.

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

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*