CHETAN SHARMA

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EDUCATION

- **Indian Institute of Technology (IIT) Patna** *Patna, Bihar, India*
  Bachelor of Technology in Electrical and Electronics Engineering, **CPI: 8.58** *Nov 2022 – May 2026 (Expected)*
- M.P.S.M. Grace Convent Sr. Sec. School *Mathura, UP, India*
  Senior Secondary Examination, CBSE Board, **Percentage: 94.2%** *Mar 2021 – Jun 2022*

WORK EXPERIENCE

- **Software Development Extern (Remote)** *May 2025 – Jun 2025*
  AlgoUniversity (Backed by Y-Combinator) Live Project | Source Code | Video Demo | Certificate
  - Developed a comprehensive online judge platform to address AlgoUniversity's need for an efficient and reliable code evaluation system for programming assessments.
  - Engineered a robust **full-stack application** using **MERN (MongoDB, Express.js, React.js and Node.js) Stack** with **Docker containerization** and **AWS Deployment**.
  - Implemented an **AI-powered code review system** integrating **Large Language Models (LLMs)** to provide automated feedback on code logic, best practices, and optimization techniques with 4 daily reviews per user.
  - Deployed the application on AWS EC2 with Docker sandboxing that isolated code submissions, **reducing security vulnerabilities by 95%**, and received positive feedback from mentors and peers for ease of use.

PROJECTS

- **Medicare** *Dec 2024*
  Tech Stack: MongoDB, Express.js, React.js, Node.js, Razorpay Api Live Project | Source Code
  - Built a medical appointment platform during self-learning, streamlining appointment scheduling for **15+** test users.
  - Integrated a secure user authentication system using **JSON Web Tokens** and **Bcrypt** for password hashing.
  - Developed core features including doctor specialty sorting, real-time booking, instant cancellations, **Razorpay payments**, and dashboards for **20+** doctors/admins to manage profiles and appointments efficiently.
  - **Deployed the web application on Render**, handling **50+** bookings with **real-time status tracking**.
- **Wanderworld** *Jun 2024*
  Tech Stack: MongoDB, Express.js, EJS, Node.js, Cloudinary Source Code
  - Built a full-stack web application featuring 100+ global tourist destinations and hotels, with interactive UI, real-time pricing, and detailed listings; improved user engagement through intuitive filters and responsive design.
  - Listed **100+** tourist destinations with support for various features like comments, star rating, and image uploads.
  - Implemented secure authentication and authorization using **Passport.js sessions** for **100%** of user accounts; created RESTful **CRUD APIs** and followed the **MVC** architecture pattern.

ACCOMPLISHMENTS

- **Codeforces:** Achieved **Pupil** with peak rating of **1395**; maintained a **160+ day** coding streak. CodeForces
- **CodeChef:** Rated **3-star** with a max rating of **1736**; achieved a rank in the **top 5%** in Starters 152. CodeChef
- **LeetCode:** Earned the **Knight** badge with top rating **1875**; **ranked 975/25,000+** in Weekly Contest 422. LeetCode
- **Academic Excellence:** Qualified **JEE Mains and Advanced** 2022 to secure admission into an IIT and currently hold the **6th** position in the department.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, JavaScript, HTML, CSS.
- **Web Technologies & Frameworks:** React.js, Node.js, Express.js, EJS, Bootstrap, Tailwind CSS, RESTful APIs.
- **Databases & Storage:** MongoDB, MySQL, Cloudinary.
- **DevOps & Tools:** Docker, AWS EC2, AWS ECR, Git, GitHub, VS Code, Postman.
- **Core Computer Science:** Data Structures and Algorithms (**DSA**), Object-Oriented Programming (**OOPS**), Operating Systems (**OS**), Computer Networks (**CN**), Database Management Systems (**DBMS**), Version Control (**VC**).
- **Other Courses:** International Trade (**IT**), Macroeconomics, Financial Analysis, Financial Analytics.

EXTRACURRICULAR ACTIVITIES

- Attained top **4.6%** rank (4,029 out of 87,400+ teams) in coding rounds of Amazon HackOn and Adobe India hackathons.
- Led campus events and social initiatives as National Service Scheme volunteer, contributing **80+** hours to community service projects.
- Served as a **House Coordinator** in high school and **Sub-Coordinator** for the **Celesta Technical Fest** at IIT Patna.