PRANAV RAJ

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EDUCATION

- **Indian Institute of Technology(IIT) Patna** — *Patna, India*
  *Bachelor of Technology - **CPI: 8.34/10** (current)* — *July 2021 – May 2025 (Expected)*

WORK EXPERIENCE

- **Zeotap** — *Bengaluru, India*
  (Software Engineer Intern) — *December 2024 - Present*
  - Refactoring synchronous APIs into asynchronous APIs, utilizing non-blocking I/O and concurrency models to reduce latency by over **30%**.
  - Built a containerized monitoring stack with custom SQL queries, reducing issue detection time by **95%** with auto alerts on **Slack** and **PagerDuty**.
  - Tech stack: **Java**, **PostgreSQL**, **Smarty**, **Postman**, **Prometheus**, **Harness**, **GCP**, **PagerDuty**.
- **Coinbase** — *Bengaluru, India*
  (Software Engineer Intern) — *May 2024 - August 2024*
  - Developed a dependency graph tool that streamlined data source relationships, adopted by **15+ teams**, achieving over **50% reduction** in data retrieval time.
  - Deployed a pre-commit hook to trigger on dependency changes, reducing commit latency by **40%**.
  - Utilized **Go**, **JavaScript**, and **Bash Scripting** along with **D3.js**, **Docker**, **Datadog**, and **CI/CD pipeline** to enhance development efficiency and automate workflows.

ACHIEVEMENTS

- Obtained **Expert** status on **Codeforces**, maximum rating of **1903**. Profile
- Earned **5-Star** rank on **CodeChef**, highest rating of **2085**. Profile
- Achieved **Guardian** title on **LeetCode** with a peak rating of **2547**, ranking in the **top 0.2%**. Profile
- Attained a global rank of **404** and All-India Rank of **22** in Round 1 of **Meta Hacker Cup 2024**, competing among **22,000+** participants. Certificate
- Ranked **115th** out of **3000+ teams** in the **ICPC 2024 Prelims**.
- Acquired a global ranking of **36** out of **100,000+** contestants in TCS Codevita Season 12 Round 1.
- Placed in the top **1%** of **42,000+** teams in **TVS Credit 6.0** IT Challenge, showcasing strong technical skills.
- Secured a worldwide ranking of **41** out of **1900+** participants in the contest organized by IIT Ropar. Ranklist

PROJECTS

- **QuickSell's Kanban Board** — *Live Site*
  Source Code — *October 2024*
  - Engineered an interactive **Kanban board** for **QuickSell** using **ReactJS** and **JavaScript**, achieving **100% coverage** for real-time grouping (status, user, priority) and sorting (priority, title).
  - Boosted rendering speed by **40%** with optimized React architecture and state management.
  - Utilized a **RESTful API** for fetching the latest ticket data while ensuring a responsive UI.
- **AI Article Summarizer** — *Live Site*
  Source Code — *July 2023*
  - Executed a scalable React-powered article summarization platform achieving over **90%** accuracy.
  - Enhanced history tracking, clipboard copying, form handling, and error management, reducing user errors by **40%** and building expertise in **React**, **JavaScript**, **CSS**, **HTML**, **Git**, and **RapidAPI**.

SKILLS & COURSES

- **Programming:** C++, C, Java, Go, JavaScript, Shell Scripting, SQL.
- **Libraries/Professional Skills and Tools:** Microservices, React, Docker, Git, PostgreSQL, Postman, AWS S3, Prometheus, Grafana, D3.js, Tailwind CSS, Object Oriented Programming (OOP).
- **Courses:** Programming & Data Structures, Foundations of Machine Learning, Introduction to Data Science.
- **Competitive Programming**: Tackled 3000+ problems, enhancing Data Structures and Algorithms skills.