

JAYKUMAR GUPTA

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PROFESSIONAL SUMMARY

Full-Stack Developer (MERN & Java) | AI | Competitive Programmer

Results-driven **Full-Stack Developer** with expertise in **MERN Stack (MongoDB, Express.js, React.js, Node.js)** and **Java (Spring Boot, RESTful APIs, Microservices)**. Proven ability to **build AI-powered systems**, including **resume screening, interview automation, and predictive analytics**. Strong foundation in **data structures, algorithms, and competitive programming**, achieving **600+ problems on LeetCode** and **Specialist rank on Codeforces**. Passionate about **creating high-performance, user-friendly applications** that drive business growth.

EDUCATION

- Indian Institute of Technology(IIT) Patna Patna, India
(BTech in Chemical and biochemical engineering. **CPI: 7.37**) July 2020 - May 2024

WORK EXPERIENCE

- Software Engineer -Ojas Innovative Technologies Pvt Ltd** July,2024 - present
- Developed an **AI-powered resume screening system** using **ChatGPT, Llama models, and MongoDB vector search**, reducing candidate shortlisting time by **40%**.
 - Built a **MERN-stack AI interview automation platform**, processing **500+** candidate responses weekly. Integrated **NLP-based scoring models**, reducing manual evaluation workload by **60%**.
 - Optimized **MongoDB queries and indexing**, reducing API response time by **35%** for large-scale resume and interview processing.
 - Designed a dynamic **rating system** using **Spring Boot**, improving restaurant rankings accuracy by **30%** using real-time customer feedback, order contribution, and **recency-based decay algorithms**..
 - Engineered an AI-powered **anti-spam mechanism** that reduced fraudulent ratings by **45%**, enhancing data integrity and ensuring accurate vendor assessments through automated validation techniques.

PROJECT

- Rainbow Strokes (Fullstack Web Development)** Feb '24 - May '24
- Engineered a **MERN-stack e-commerce platform**, implementing **real-time product management, user authentication (JWT)**, and a **secure payment gateway**, ensuring seamless experiences.
 - Designed a dynamic admin panel with **role-based access control, inventory management**, reducing manual data entry time by **50%** through automation.
- Customer Churn Prediction** Feb '23 - March '23
- Developed an **machine learning model** using **Decision Trees, Random Forest, and Logistic Regression**, improving churn prediction accuracy by **15%** through **hyperparameter tuning and cross-validation**.
 - Conducted **customer segmentation and behavior analysis** using **EDA and feature engineering**, identifying churn risk factors and delivering data-driven insights for targeted retention strategies.

SKILLS/RELEVANT COURSEWORK

- Full-Stack Development:** MERN Stack (MongoDB, Express.js, React.js, Node.js), Tailwind CSS
- Backend Microservices:** Java (Spring Boot), RESTful APIs, JWT Authentication
- Databases:** MongoDB, MySQL, PostgreSQL
- Machine Learning & AI:** NLP, Data Preprocessing (Pandas, NumPy), Decision Trees, Random Forest
- Tools & Technologies:** Docker, Git, CI/CD (Jenkins, GitHub Actions)

ACCOMPLISHMENTS

- Ranked in top 10%, Solved over **600** problems on **LeetCode**, achieving a maximum rating of **1778**.
- Attained **Specialist** rank on **Codeforces** with a maximum rating of **1500**.
- Scored in the **99th percentile** in **JEE Main**, demonstrating strong analytical and problem-solving skills.