

# AISHWARYA SINGH

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## PROFESSIONAL EXPERIENCE

### Bluestock Fintech - Software Development Engineer Intern

Apr 2025 - May 2025

- Built an IPO Management System using React, Node.js, and SQL serving 500+ concurrent users, improving operational efficiency by **30%** and handling 10,000+ daily transactions.
- Developed optimized REST APIs delivering **20% faster response times** with 99.5% uptime for financial workflows.
- Worked in an Agile team implementing CI/CD pipelines and ACID-compliant database schemas ensuring data integrity.

## KEY PROJECTS

### prepDew – AI-Powered Interview Platform

[Live](#) ◊ [GitHub](#)

*MongoDB, Express.js, React.js, Node.js, OpenAI API, JWT, Tailwind CSS*

- Built a full-stack interview platform with smarter prompt handling and improved session flow with intelligent question generation across 15+ domains, supporting 1,000+ active users.
- Added secure JWT authentication with RBAC, strengthening data protection and ensuring smoother session transitions with RBAC and optimized API architecture for **40% faster responses** and 95% user satisfaction.
- Set up automated testing and CI/CD workflows reducing deployment time by **60%** with zero downtime.

### Walmart Sales Analytics

[Live](#) ◊ [GitHub](#)

*Python, Pandas, NumPy, SQL, MySQL, PostgreSQL, Power BI*

- Built an automated ETL pipeline with clearer validation steps and structured transformations processing 10,000+ records with dual-database architecture achieving **99.2% accuracy**.
- Performed detailed sales analytics with improved breakdowns for category-wise and seasonal trends across 3 cities and 6 categories identifying **25% growth opportunities**.
- Added validation rules and anomaly checks to ensure accurate sales metrics across all data sources.

### Cozy Cup – High-Performance Web App

[Live](#) ◊ [GitHub](#)

*React.js, Vite, GSAP, Framer Motion, Tailwind CSS*

- Built a lightweight frontend with refined animation timing and smoother interaction handling with 60fps animations and a sub-200KB bundle, achieving a **95+ Lighthouse score** and an **85% increase** in mobile engagement.

## TECHNICAL SKILLS

Languages	JavaScript, Python, Java, SQL
Frontend & Backend	React.js, Node.js, Express.js, REST APIs, Microservices
Databases & Cloud	MongoDB, PostgreSQL, MySQL, Docker, Kubernetes, CI/CD, AWS (familiar)
Tools & Analytics	Git, Postman, Jest, Pandas, NumPy, Matplotlib, Seaborn, Power BI

## ACHIEVEMENTS & CERTIFICATIONS

- **Finalist** - Health Hackathon, VIT Bhopal & Johns Hopkins University (2025)
- **Winter Intern** - India Space Lab (2024)
- **Marketing Analytics (Elite)** - NPTEL, IIT Kharagpur (2025)
- **Cloud Computing** - NPTEL (2023)

## LEADERSHIP

- **Operations Team, E-Cell VIT** – Managed logistics for events with 200+ participants across 5 cross-functional teams.
- **Core Member, Dance Club VIT** – Organized inter-college events leading a 20-member team with budgets exceeding Rs. 50,000.