

KRISH KUMAR

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Education

Dr. APJ Abdul Kalam Technical University

Bachelor of Technology in Computer Science

2022 – 2026

Ghaziabad, U.P

Technical Skills

Languages: Golang, Typescript, Javascript, Python, C++

CS Fundamentals: Operating System, DBMS, Networking, DSA

Technologies/Frameworks: Next.js, React.js, Express.js, Node.js, React Native

Developer Tools: Postman, Git, MongoDB, Redis, GraphQL, Docker, Kubernetes, Grafana, Prisma

OPENSOURCE CONTRIBUTION

Layer5 Community (Meshery, Meshery.io)

- Contributed to **React** and **Gatsby** projects, resolving 10+ issues and merging 7+ PRs to improve error handling, upgrade functional components, and optimize performance.
- Collaborated with maintainers on version upgrades, code reliability, and technical solutions during developer meetings.
- Gained hands-on experience with **Docker**, **Kubernetes**, **Git/GitHub workflows**, and agile development practices.

Experience

Earthemission | SDE Intern

July 2024 - present

- Implement **authentication systems** and **dynamic routing** using **Next.js**, **Golang**, reducing login latency by **20%**.
- Optimized database performance with **PostgreSQL/MySQL** and **Redis**, improving query speeds by **30%** and enabling efficient handling of **10,000+ records** through bulk operations.
- Enhanced **API performance** by **25%**, reducing response times, and integrated **Generative AI models** to improve functionality. Improved efficiency by implementing **Zustand** reducing processing time by **15%**.
- Utilized **Azure DevOps** to set up **CI/CD pipelines**, reducing deployment times by **40%** and streamlined releases.

BarterClub | SDE Intern

feb 2024 - july 2024

- Barterclub is a Fullstack platform using **Next.js 14**, **TypeScript**, and **Tailwind CSS**, integrating **Razorpay** for payment processing (99% success rate) and achieving **20% faster page loads** through server-side rendering.
- Used **Clerk** for secure authentication and Improved query performance by 30% using **Redis** caching.
- Implemented **Redux** for state management and deployed the platform on **AWS** using **Docker** and a **microservices architecture** for scalability Optimized Database query performance by **30%**.

Projects

Watch the Drop | Next.js 14 | MongoDB | Server actions | Machine learning | Web scraping — tryout

Github

- Developed a full-stack price-tracking application using **Next.js 14** and **Server Actions** leveraging **MongoDB aggregation pipelines** Improved performance by **20%** and **Redis rate-limiting** to handle high traffic.
- Integrated **machine learning models** to predict future prices and **Gen AI chatbot** for user interaction, improving engagement and Implemented **cron jobs** for automated price-drop notifications, enhancing user experience.
- Utilized **Selenium** and **BrightData** for web scraping and **Google Search Engine APIs** for accurate data retrieval.

Golang Contest Portal | Go, Go channels, Go routines

Github

- Developed a **highly scalable platform** using **Golang**, handling **300+ concurrent users** during college event.
- incorporated **Judge0** for code execution and IDE functionality, enabling real-time code compilation and testing.
- Deployed using **Docker containerization** with **CI/CD** using **GitHub Actions**, ensuring seamless updates.
- Implemented **JWT-based authentication** with **role-based access control** and Enhanced system performance with **Goroutines** for concurrent request handling and **Nginx** for load balancing, reducing latency by **25%**.
- Secured communication with **SSL/TLS** via **Certbot** and automated deployments using **Elastic Beanstalk**.

POSITION OF RESPONSIBILITY

Big Data Centre of Excellence

December 2023 - present

- Hosted 6 big data events, including workshops, and seminars, with over 250 participants each.
- Collaborated with a cross-functional team of 11 at **BDCOE**, demonstrating strong **teamwork**, **problem-solving**, and **communication skills** to deliver successful project outcomes conduct various workshops and mentor 50+ juniors.

ACHIEVEMNETS

- Winner** of DevQuest Hackathon (**IIT Jodhpur** - Prometeo 2024): beating **200+ teams** from across India, showcasing exceptional problem-solving, Team Collaboration, and technical skills under tight deadlines.
- Achieved **3-star rating on CodeChef** and solved **200+ problems**, alongside **250+ problems on LeetCode**, demonstrating strong **problem-solving**, algorithmic thinking, and **coding efficiency**.