

# Ankesh Agrawal

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Linkedin



GitHub

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## Professional Summary

Specialized Frontend Developer with 3+ years expertise in creating responsive, accessible, and high-performance user-centric web applications. Passionate about creating seamless user experiences through cutting-edge web technologies with best practices and design patterns.

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## Technical Skills

- **Frontend** : JavaScript (ES6+), React.js, Redux, HTML, CSS/SCSS, Next.js, TypeScript, GraphQL, MicroFrontend, Jest, SEO.
  - **Backend**: Node.js, Express.js, TypeScript, REST APIs, DSA, Python, Docker, CI/CD Pipeline
  - **Database**: MongoDB, MySQL, PostgreSQL
  - **Soft Skills**: Stakeholder management, Team collaboration, Agile methodologies, Communication
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## Work Experience

- **HCLTech | Senior Analyst** Noida | Aug 2022 - present
    - Designed and implemented **real time monitoring dashboard** using **WebSocket, Kafka** which streamlined **machine analysis**, allowing business to **detect failures** early and **prevent downtime**.
    - Reducing manual checks and **workload by 30%**, and saving the company **\$100,000 annually** in labor costs.
    - Handled **concurrent updates** and utilized heavy calculations off the main UI thread using **Web Workers**.
    - Leveraged **Broadcast Channel API** to sync updates across tabs in real-time.
    - Pioneered **code optimization** reducing the main chunk size from **312KB to 192KB** using **Caching, Image optimization** which **resulted in 30% increase in MAU**.
    - **Migrated over 25% of old frontend codebase** from plain Vanilla JS to **Modern React and TypeScript components**.
    - **Worked on reducing the Wait Queue Time** of loading critical scripts from **300ms to 40ms** by Lazy loading the render blocking non critical resources.
    - Used memoization techniques to improve the App performance
    - Created a cross-platform mobile application using **Ionic React**.
    - Engineered reusable **UI components** (Sliders, Modals, Timers).
    - Utilized **IndexedDB** for larger storage and offline data storage.Leveraged.
    - Streamlined user authentication using JWT and Google OAuth, enhancing security.
    - **Integrated FCM Push Notifications and Social Logins**, boosting user engagement.
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## Projects

- **Social Media Application | Node.js, React.js, Express.js, Socket.io, MongoDB** Link
    - A social media app where user can have a **real-time chat** with other **users**, **create like comment and reply on posts**.
    - Developed a social media platform with real-time chat, multimedia sharing, and notifications, enhancing user interactivity with real-time message acknowledgement and multimedia support.
  - **Image Editor | Node.js, React.js, Redux, Express.js, Cloudinary, MongoDB** Link
    - A **web-based design tool** used to create visually appealing **graphics, posters, and other visual content**.
    - Built a user-friendly graphic design **tool with customizable templates, drag-and-drop functionality, and advanced design elements**, enabling users to create visuals easily
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## Education

Poornima College of Engineering  
Bachelor of Technology (IT)

Jaipur, India  
Aug 2018 - Jun 2022

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## Achievements & Certifications

- Solved over **300 DSA problems** collectively on **LeetCode, GFG**
- **Club Head**, Poornima College of Engineering **2018-2020**
- University of Washington **Machine Learning Specialization** | Coursera Link