Ajay Yadav

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About Me

Software Engineer at Philips, working on the Developer Portal with React.js and MR post-processing applications. I enjoy solving problems, building features, and currently exploring backend development to grow my skills.

Work Experience

Philips Healthcare   June 2024 – Present
Software Development Engineer   *Bengaluru, Karnataka*
- Enhanced Philips internal developer portal, improving accessibility and streamlining onboarding for developers.
- Implemented a multi-step onboarding form with validation and progress indicators to streamline new user setup.
- Developed reusable React components (buttons, modals, tables) to ensure consistency and reduce duplicate code.
- Built an application launcher to run post-processing tools independently without starting the full MR application.
- Created a feature to launch the application on another system within the same network using its IP address.
- Adapted the application launcher for post-processing tools to improve automated test execution time significantly.

Philips Healthcare - Intern   June 2023 – May 2024
Software Development Engineer Intern   *Bengaluru, Karnataka*
- Built frontend features for the Developer Portal using React, ensuring seamless user experience, responsive design.
- Developed a string compression and decompression algorithm using Burrows-Wheeler Data Transform, Run-length Encoding, and additional modifications. This approach ensures effective data compression and decompression.
- Fixed 2 issues: keyboard positioning and Chinese language bug after settings change to improve user experience.
- Enhanced search features and fixed routine bugs across micro frontends, improving usability and performance.

Academic Projects

RealTime News Application | *React.js, Css*   *Github* ○
- Built a web app using React.js and a public API to display real-time global news across multiple categories.
- Fetched and rendered live news data by country and category using a free API to provide up-to-date headlines.
- Added a search feature allowing users to find news articles quickly by typing keywords or topics of interest.
- Designed a clean UI with left-side navigation, responsive layout, and dynamic rendering of live news updates.

Bank Account Blockchain Project | *React.js, Motoko, CSS*   *Github* ○
- Built a decentralized banking application using React.js and Motoko, offering features such as account creation, login/logout, viewing balances, and transferring funds securely between users on the Internet Computer platform.
- Used a Map-based storage model in Motoko to manage account data, enabling fast lookup of user balances and smooth handling of secure fund transfers, ensuring data consistency and responsiveness across user interactions.

Coding Achievement and Certifications

- Became a 3-Star rated coder on **Codechef** and secured 48th rank in the Starters 63 contest.
- Secured a position within the top 100 in Coders Combat, an event organized by LPU and GeeksforGeeks.
- Became a 3-Star rated coder on **Leetcode** and Earned the title of Knight on Leetcode with a rating of 1914.
- Earned the DSA Self-Paced certification from GeeksForGeeks, solidifying foundational knowledge and mastery of essential concepts in Data Structures and Algorithms.
- Completed the React Certification program from Cipher School, organized by LPU.

Technical Skills

- **Core**   :   Data Structures, Algorithms, Operating System, OOPs, DBMS
- **Languages**   :   C, C++, Java, Python, C#, JavaScript
- **Technologies**   :   React.js, HTML, CSS, JavaScript, Tailwind CSS, Bootstrap, .NET Framework, NUnit, JUnit
- **Tools and Services**   :   Git, GitHub, VS Code, Visual Studio, Postman

Education

Lovely Professional University   2020 - 2024
Bachelor of Technology in Computer Science (GPA: 7.70 / 10)   *Phagwara, Punjab*