# SURAJ YADAV

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## Education

**Chandigarh Engineering College** — *Punjab, India*

*Bachelor of Technology in Computer Science – CGPA: 8.52/10.0* — *2021 – 2025*

- Relevant Coursework: Data Structures and Algorithms, Software Engineering, Database Management Systems, Operating Systems, Computer Networks, Mobile Application Development

## Technical Skills

**Programming Languages**: Python, JavaScript, QML, Dart, Java, Kotlin, C, C++, SQL, HTML, CSS
**Frameworks and Libraries**: Flutter, Ubuntu Touch, Android, React, Node.js, Express.js, Firebase, Material-UI, GetX
**Databases**: MongoDB, MySQL, SQLite, Firebase Firestore, Hive, Odoo
**Developer Tools**: Git, GitHub, Docker, Jenkins, VS Code, Android Studio, IntelliJ IDEA, Linux, Ubuntu, Postman, RESTful APIs, WordPress
**Methodologies**: Agile Development, Scrum, Test-Driven Development, CI/CD, Code Review, Open Source Development

## Professional Experience

**Junior Software Engineer** — **March 2025 – Present**

*CALIN Global Services India PVT LTD* — *Kerala, India*

- Developed mobile applications for Ubuntu Touch platform using QML, Python, and JavaScript to create cross-platform software solutions for enterprise clients
- Built Time Management application with Odoo backend integration by implementing RESTful APIs and database synchronization to enable timesheet tracking, task management, and project updates across multiple server instances
- Created Ubuntu Touch Development Course curriculum by designing training modules and documentation to train development teams on QML application development and best practices
- Engineered Reddit Client application using Python and QML by integrating Reddit API and designing touch-optimized interfaces to provide native mobile experience for Ubuntu Touch users
- Implemented user authentication systems using OAuth and JWT tokens by developing secure login workflows to protect user data and maintain session management
- Collaborated with cross-functional teams using Agile methodologies by participating in daily standups and sprint planning to deliver software features on schedule

**App Developer Intern** — **April 2024 – August 2024**

*NotAtMrp* — *Remote*

- Developed user interfaces for retail and consumer applications using Flutter and Dart by implementing responsive design patterns to create mobile experiences for e-commerce platform
- Increased user engagement by 35 percent and reduced bounce rate by 25 percent by optimizing frontend performance and implementing GetX state management to improve application responsiveness
- Improved app speed by 30 percent and reduced server response time by 20 percent by conducting performance profiling and eliminating backend bottlenecks to enhance user experience
- Reduced user waiting time by 70 percent by implementing GetX state management library and optimizing data flow to improve code efficiency and application performance
- Participated in code reviews by following coding standards and best practices to maintain high-quality codebase throughout development lifecycle

**Flutter Development Intern** — **October 2023 – January 2024**

*Sculpt* — *Remote*

- Designed and implemented mobile application UI/UX using Flutter framework and Dart programming by creating error-free scripts to deliver intuitive user experiences
- Decreased user complaints by 30 percent and improved app ratings by 20 percent by engineering responsive interfaces and implementing user feedback to enhance application usability
- Increased app performance by 25 percent and accelerated project completion by 10 percent by collaborating with development team and implementing innovative solutions to meet project deadlines
- Gained expertise in Flutter framework and Dart programming by developing mobile applications and following best practices to build production-ready software

## Projects

**Time Management App for Ubuntu Touch** | *QML, Python, Odoo, JavaScript, SQL*      **March 2025 − Present**
- Built comprehensive project management application for Ubuntu Touch by integrating Odoo backend and implementing QML interfaces to enable timesheet creation, activity tracking, and task management
- Implemented secure user authentication and real-time data synchronization by using OAuth protocols and WebSocket connections to provide seamless multi-instance Odoo server support
- Designed scalable architecture using Python backend and SQL database by creating modular code structure to handle multiple projects and team collaborations efficiently

**Reddit Client for Ubuntu Touch** | *QML, Python, JavaScript, Reddit API*      **August 2025 − Present**
- Developed native Reddit client application for Ubuntu Touch by integrating Reddit API and implementing QML interfaces to provide mobile-first user experience with post browsing and comment threading
- Implemented touch-optimized UI/UX design by creating gesture controls and smooth navigation to enhance user experience on mobile devices
- Built features including user authentication, subreddit management, post voting, and media viewing by using Python backend and QML frontend to create comprehensive Reddit browsing experience

**Vyakhya AI** | *Flutter, Google ML Kit, Python, Firebase* | Live Demo      **January 2024 − April 2024**
- Developed image-to-text translation application using Google ML Kit and Flutter by implementing OCR technology to process 1000 images per hour with 98 percent accuracy
- Implemented real-time language translation across 500+ languages by integrating machine learning algorithms and translation APIs to enable multilingual text conversion
- Contributed 10+ Pull Requests by implementing batch processing, multi-language support, and cloud synchronization features to enhance application functionality
- Designed user-friendly interface by creating seamless image selection, text extraction, and translation workflow to improve user experience

**AI Assistant** | *Flutter, GPT API, Hive, Git* | GitHub      **November 2023 − January 2024**
- Created AI-powered chatbot application using Flutter and ChatGPT API by integrating natural language processing to provide intelligent conversational interactions and text-to-image generation
- Decreased query resolution time by 40 percent by optimizing API integration and implementing efficient response handling to improve user experience
- Merged 15+ Pull Requests by adding multi-language support, conversation history, and Hive database storage to enhance application features and data persistence
- Implemented voice input, text formatting, and image generation features by using Flutter plugins and GPT API to create comprehensive AI assistant experience

**Wallter - Wallpaper Application** | *React, Node.js, API Integration* | Live Demo      **2024**
- Developed modern wallpaper application by implementing responsive design and API integration to provide curated collections, search functionality, and high-quality image downloads

**Apni Dukan - E-commerce Platform** | *Flutter, Firebase, Payment Integration* | GitHub      **2024**
- Built complete e-commerce solution for local businesses by implementing inventory management, order processing, and customer management features to streamline business operations

**WorkItOut - Fitness Tracking App** | *Flutter, Firebase, Local Storage* | GitHub      **2023**
- Created comprehensive fitness tracking application by implementing workout planning, progress monitoring, and social features to help fitness enthusiasts track their goals

**CaptionIt - Social Media Tool** | *Flutter, AI API, Firebase* | GitHub      **2023**
- Developed AI-powered caption generation tool by integrating machine learning APIs to provide hashtag suggestions and content optimization for social media posts

**Nimbus - Weather Application** | *Flutter, Weather API, Geolocation* | GitHub      **2023**
- Built advanced weather forecasting application by integrating weather APIs and geolocation services to provide detailed meteorological data and location-based forecasts

**Vihan - Communication Platform** | *Flutter, Firebase, WebRTC* | GitHub      **2023**
- Created real-time communication platform by implementing WebRTC and Firebase to provide messaging, voice calls, and collaboration features for team productivity

## Certifications

**Open Source Best Practices**: Calin Global Services Pvt. Ltd. − 2025
**Flutter and Dart - The Complete Guide**: Udemy − 2023
**Web Design and Development**: Online Certification − 2022

## Achievements and Recognition

**Competitive Programming**: Solved 1100+ Data Structures and Algorithms problems across LeetCode, HackerRank, and GeeksforGeeks platforms with consistent 650+ day coding streak demonstrating dedication to continuous learning
**Open Source Contributions**: Contributed to 10+ open source projects with 100+ successful Pull Requests and maintained 150+ day GitHub contribution streak showcasing commitment to collaborative development
**Hackathon Success**: Achieved Grand Finalist status in Smart India Hackathon and won 2 institute-level hackathons demonstrating innovation and teamwork capabilities
**Ubuntu Touch Developer**: Certified by Calin Global Services validating expertise in specialized mobile development platform
**Technical Leadership**: Served as Developer Lead in D4 Community mentoring junior developers and organizing technical workshops to foster collaborative team environments

## Leadership and Community Involvement

**Developer Lead** **Ongoing**
*D4 Community* *Remote*

- Led team of junior developers in software development projects by providing mentorship, code reviews, and technical guidance to foster collaborative and high-performance team environment
- Contributed to Ubuntu Touch Development Course curriculum creation by establishing comprehensive learning materials for new developers to help train development community
- Organized and facilitated technical workshops and coding bootcamps by designing hands-on sessions for community members to promote knowledge sharing and skill development
- Maintained active engagement in open source communities by promoting best practices and collaborative development approaches to support developer ecosystem

## Coding Profiles and Online Presence

**GitHub**: github.com/suraj-yadav0 – 150+ day contribution streak, 10+ repositories, 100+ contributions
**LeetCode**: leetcode.com/u/Suraj_Yadav07 – 1100+ problems solved, consistent daily practice
**HackerRank**: hackerrank.com/profile/_2129753 – Multiple certifications in algorithms and data structures
**GeeksforGeeks**: geeksforgeeks.org/user/0surajyadav0 – Active contributor with coding solutions
**Portfolio**: suraj-yadav-second-portfolio.vercel.app – Comprehensive showcase of projects and achievements