Anuraag Shukla

Software Engineer/Software Developer

+919243562459 ◇ anuraagshukla16@gmail.com ◇ Bangalore, Karnataka, India ◇ LinkedIn

SUMMARY

Results-driven Software Developer with in-depth expertise in C++—focused on matrix operations, floating-point optimizations, and high-performance algorithm design. Skilled in leveraging Firebase for backend development and building robust, user-centric mobile applications in Flutter. Strong problem-solving abilities demonstrated through code optimization techniques such as advanced loop improvements. Experienced with AWS cloud environments, especially EC2 and EBS, and recognized for delivering step-by-step, scalable solutions to complex technical challenges

SKILLS

Programming & Databases   C, C++, Python, Java, Flutter, Firebase, MySQL, HTML, CSS, JavaScript
Visualization Tools   Matlab, Power BI
Soft Skills   Emotional Intelligence, Strategic Thinking, Resilience
Languages   English, Kannada, Hindi

EXPERIENCE

Software Engineer Intern   Sep '24 — Nov '24
ArcApsis   Bangalore, India
- Reduced latency by 30% by optimizing the communication protocol between IoT devices and the cloud, improving the timeliness and reliability on data monitoring.
- Led performance optimization initiatives for IoT-connected medical devices, achieving a 25% reduction in device power consumption, extending device operational life.
- Executed rigorous unit testing protocols leading to the identification of key issues; ensured adherence to coding standards during code review sessions, resulting in a 20% decrease in post-release defect rates.
- Conducted collaborative testing and debugging for IoT device connectivity, improving reliability and reducing system downtimes by 40%.

PROJECTS

Drizzli-Music Streaming App
- Built a cross-platform music streaming app using Flutter for both Android and iOS, allowing users to stream music, create playlists, and receive personalized recommendations.
- Integrated Firebase Authentication to implement secure user login, enhancing user security and retention by 20%.
- Created intuitive and responsive UI/UX designs using Figma, ensuring a user-friendly experience that mirrors the core functionality of Spotify, improving user engagement by 30
- Tested and debugged the app using Flutter DevTools, ensuring a crash-free experience and achieving a 99% app stability rate during user testing.

VTravelBuddy - Carpooling Ride-Sharing Platform
- Developed an intuitive user interface for VTravelBuddy that improved user engagement metrics, resulting in a 50% increase in ride-sharing requests and boosting overall platform activity within the first quarter of launch.
- Optimized ride-search functionality by developing and integrating filters for date, location, and user ratings, resulting in a 20% increase in user engagement
- Conducted A/B testing on the ride-matching algorithm, leading to a 15% improvement in the number of successful ride pairings and a 10% boost in user retention.
- Devised comprehensive documentation for API endpoints and user guides, ensuring easy integration for future features and enabling onboarding for new team members within one week.

EDUCATION

Bachelors of Technology in Computer Science, Vellore Institute of Technology, Bhopal (GPA: 8.01)   Jul '22 — Jul '26
                                                                                                           Bhopal, India
- CGPA:8.01
- Coursework:Web Development,App Development,Software Engineering

Pre-University, RNS Pre-University College,Bengaluru (GPA: 9.6)   Sep '19 — Sep '21
                                                                                                           Bengaluru, India
- CGPA:9.6
- Coursework:Physics,Chemistry,Mathematics,Computer Science