

# MANISH KUMAR

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## SUMMARY

Aspiring Software Engineer with a strong foundation in full-stack development, mobile app engineering, and cybersecurity. Experienced in Flutter/Dart, C++, JavaScript, and cloud-based solutions. Skilled in Agile development, data structures & algorithms, and delivering scalable solutions in collaborative, hackathon-style environments. Passionate about leveraging technology to create impactful, real-world applications.

## EXPERIENCE

### Cyber Security Summer intern

#### Gurugram Cyber police

June 2024 - July 2024, Gurugram

- Gained hands-on experience with network security tools and protocols to evaluate network infrastructure.
- Worked under the mentorship of Dr. Rakshit Tandon, an esteemed cybersecurity expert, for advanced insights into real-world security challenges.
- Prepared detailed reports on findings and solutions, presenting them effectively to the mentor and peers.
- Conducted security audits, prepared reports, and recommended mitigation strategies.

### Android Developer Intern

#### CODECASA

October 2023 - November 2023, Remote

- Built a cross-platform quiz application using Flutter/Dart, implementing Bloc state management and animations for smooth UX.
- Collaborated in an Agile team to integrate APIs, manage data flow, and optimize app performance.
- Applied Flutter's architecture to reduce app complexity and optimize for performance.

## PROJECT

### Algorithm Visualiser

[github.com/Manish7194/algorithm-visualizer](https://github.com/Manish7194/algorithm-visualizer)

- Built interactive algorithm visualizer with **React** and **Vite**, implementing 8+ sorting and pathfinding algorithms with real-time animations and adjustable playback controls
- Designed premium UI with **glassmorphism effects**, responsive design, and dark mode, featuring interactive grid for drawing obstacles and visualizing pathfinding solutions
- Deployed production application on **Vercel** with optimized build configuration and SPA routing

### Parking app

[github.com/Manish7194/spot\\_wise](https://github.com/Manish7194/spot_wise)

- Designed and developed a large-scale parking app capable of handling thousands of users using Flutter and Dart.
- Integrated Google Maps API for real-time parking spot location and navigation, ensuring a user-friendly experience.
- Implemented features like authentication with Firebase, allowing secure and seamless user onboarding.
- Optimized app performance to ensure scalability, supporting high user traffic with minimal latency.
- Customized the UI/UX, including interactive bottom navigation for home, activity, and account sections.
- Enhanced security by managing user data through Firebase Firestore, ensuring data consistency and reliability.

## EDUCATION

### Post Graduate Diploma In Cyber Security and Law

Shaheed Sukhdev College Of Business Studies, DU • Rohini Sec 16, New Delhi, India • 2024 • 78%

### Bachelor's of Science (Hons). Computer Science

Keshav Mahavidyalaya, University of Delhi • Pitampura, Delhi, India • 2023 • 7.8

## CERTIFICATIONS

### Blockchain Programming in iOS Using Swift

LinkedIn Learning • 2023

### AWS Technical Essentials

AWS Training & Certification • 2023

## SKILLS

**Programming languages** : Dart, JavaScript, C++, Python, Java

**Frameworks** : Flutter, Reactjs, Firebase (Google Cloud),Node.js, Git,Android Studio, Xcode, Visual Studio Code.

**Databases**: MySQL, Firebase Firestore, Supabase.

**Software Development Concepts** : Artificial Intelligence, Data Structures & Algorithms, Agile Development, CI/CD Pipelines, REST APIs, UI/UX Design, State Management (Bloc, Riverpod), Cloud Development, Application Security, Version Control