

Abhishek Kumar

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Professional Summary

Software Developer with over 2 years of experience in freelance software development, specializing in front-end development using React Native, React.js, TypeScript, and JavaScript. Proficient in API integrations, scalable application development, and team leadership. Led the development of Hovr, a subscription-based ride-sharing app, managing the team, overseeing front-end architecture, and implementing core functionalities. Additionally, conducted research on Secure Random Pixel Distribution (SRPD), which has been submitted for publication in an IEEE journal. Experienced in cloud technologies and deployment solutions, with a strong foundation in DevOps practices.

Experience

Freelance Software Developer

Self-employed

2022 – Present

- Developed and delivered scalable web and mobile applications for clients, specializing in React Native, React.js, and TypeScript
- Integrated RESTful APIs and optimized application performance, ensuring seamless user experiences
- Designed and implemented efficient UI components, improving application responsiveness and usability
- Managed multiple projects simultaneously, coordinating directly with clients to meet technical requirements and deadlines

Hovr Ride-sharing Application

Lead Developer & Team Manager

2023

- Led the front-end development of Hovr, an innovative ride-sharing application, ensuring a seamless user experience
- Managed and mentored a team of developers, overseeing project architecture and development milestones
- Integrated APIs for real-time ride tracking, user authentication, and payment processing
- Optimized the application's performance, reducing load times by 40% and improving user retention
- Collaborated with UX/UI designers to enhance the app's interface, resulting in increased user engagement

Research: Secure Random Pixel Distribution (SRPD)

Author & Researcher

2024

- Developed a novel image steganography technique using SRPD, enhancing security and embedding capacity
- Proposed an encryption mechanism that combines random pixel selection with AES encryption for secure data transmission

Education

Bachelor of Computer Applications (BCA)

2023 - Present

Vignan University, Andhra Pradesh, India

Intermediate (75.8%)

2021 - 2023

Maharana Pratap, high School [Siwan, Bihar]

High School (66 %)

2017 - 2018

Madhav High School, Manjhagarh [Gopalganj, Bihar]

Technical Skills

- **Programming Languages:** JavaScript, TypeScript, Python
- **Frameworks & Libraries:** React.js, React Native, Node.js
- **API Development:** RESTful APIs, GraphQL, Firebase
- **Cloud Platforms:** AWS (EC2, Lightsail, Route53), Azure
- **Development Tools:** Git, Docker, Webpack
- **Security & Cryptography:** AES, Steganography, SRPD Algorithm

Certifications & Training

- AWS Cloud Practitioner (In Progress)
- Coursera: Technical Support Fundamentals (2024)