

ANJALI VERMA

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EDUCATION

Birla Institute of Technology, Mesra **July 2019 - July 2024**
Integrated Master of Science in Mathematics and Computing **CGPA 8.15**
Courses: Data Structures, Operating system, Algorithm analysis, Computer networks, Databases, Software Engineering
Cryptography

SKILLS

Languages: Java, Kotlin, C + +, HTML, CSS, Python, JavaScript, SQL
Other Tools: Firebase, Git, Postman, MongoDB Atlas, Node JS, Express JS
Development: Android Development, Web Development, REST API
Soft Skills: Leadership, Writing, Time Management, Public Speaking

EXPERIENCE

The Junior Developer - Freelancer **July 2024 - Present**
Technical Writer **Publication Link**
– Developed engaging content as a writer and editor that reached 2k+ views by simplifying Android development concepts and Kotlin programming and presenting tricky concepts in a fun and accessible way for learners.
– Handles medium publication and the editor’s account

Research Intern - BIT Mesra **January 2024 - July 2024**
– Conducted research on cryptographic techniques, leading to the co-authorship of a paper (under review) on semi-natural composition in cipher systems.
– Applied MATLAB to simulate and analyze cryptographic algorithms. **Tech & Tools:** MATLAB, Cryptography, Algorithm.

PROJECTS

Wondertale **GitHub Link Playstore Link**
Android Application **July 2024 - Present**
– Created a storybook application from scratch using the MVVM architecture with a user-friendly UI/UX, more than 10+ features, and thoroughly tested with different emulators and logs. **Tech:** Android, Kotlin, XML, Firebase Auth, Crashlytics, Firebase Realtime Database, Firebase Firestore, Storage.

SeedStake **GitHub Link API Github Link API Link**
Android Application **July 2023 - August 2023**
– Created a dummy application from scratch using the MVVM architecture with a user-friendly UI/UX, with recyclerview and features like: search and filter. **Tech:**Android, Kotlin,XML,Firebase Auth
– Designed and built **REST API** to powerup the application. **Tech:** Javascript, NodeJs, ExpressJs Postman, MongoDB Atlas

Portfolio **GitHub Link Website Link**
Web Development **November 2024 - Present**
– Created a personal portfolio from scratch. **Tech:** HTML, CSS, Javascript.

ACADEMIC RESEARCH PAPERS

A Cipher System Using Semi-Natural Composition (Under Review)
– Co-authored a research paper to be published in a journal. Developed and analyzed a novel cryptographic system using MATLAB. **Tech & Tools:** MATLAB, Cryptography, Algorithm.

HONORS AND AWARDS

- Recieved the GP Birla Scholarship.
- Published an application on the Play Store.
- Solved 200+ Leetcode Problems and 300+ on GeeksforGeeks
- Won Coalesce - Prompt Writing Competition organized by The Literary Society, BIT MESRA.

CERTIFICATIONS

- Mastering Android Development by GeeksforGeeks.
- Introduction to HTML5 by Coursera.
- SQL by HackerRank