

# Naman Pahwa

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LinkedIn | GitHub | LeetCode | CodeForces | GeeksForGeeks

## EDUCATION

### BIT MESRA, RANCHI

INTEGRATED Msc. IN  
MATHEMATICS AND COMPUTING  
Expected Jun 2026  
CGPA: 8.55 / 10 (Up to 8<sup>th</sup> Semester)

### SRS PUBLIC SCHOOL, ROHTAK

CBSE AISSC (12<sup>th</sup>) | 2020  
Percentage: 88.2%

### BBB PUBLIC SCHOOL, ROHTAK

CBSE AISSE (10<sup>th</sup>) | 2018  
Percentage: 90.2%

## AREAS OF INTEREST

- Full Stack Development • Android App Development • Data Security • Competitive Programming

## SKILLS

### PROGRAMMING LANGUAGES

- C • C++ • Python • Kotlin • Java

### TECHNOLOGIES

- Android • Firebase Authentication • Firestore Database • MongoDB • ExpressJS • NodeJS • ReactJS • Javascript • HTML • Tailwind CSS • TCP Sockets

### ARTIFICIAL INTELLIGENCE

- Prompt Engineering • Hugging Face API • OpenCV • NumPy • Pandas

### TOOLS

- Git • Android Studio • VSCode

### COURSES

- Operating Systems • Data Structures and Algorithms • Database Management Systems • Object Oriented Programming

## POSITION OF RESPONSIBILITY

### IEEE-BIT MESRA (MEMBER)

- Led & organized 4 coding contests and 5 technical workshops under IEEE Chapter.
- Taught 300+students in C++ workshop covering Graphs and Standard Template Library.

## EXPERIENCE

### ADSTER | FULL STACK SOFTWARE DEVELOPMENT INTERNSHIP

May 2025 – Jul 2025 | Bengaluru

- Integrated Adster's banner ads into Android apps using their React Native SDK.
- Ensured smooth ad rendering and responsive layouts across various devices.
- Improved ad visibility and placement, contributing to 2% increase in revenue.
- Tech Used: Android (Java/Kotlin), Adster SDK, XML Layouts, Material Design

### GYAN TECHNOLOGIES | FULL-STACK INTERNSHIP

May 2024 – Jul 2024 | Remote

- Built a full-stack expense tracker with modular architecture, secure JWT authentication, and user profile management.
- Built responsive dashboards with Recharts (Pie, Line, Bar) for real-time spending and income visualization.
- Implemented features including CRUD for income/expenses, and Excel export (XLSX) for financial records.
- Tech Used: MongoDB, Express.js, React.js, Node.js, Axios, Recharts, XLSX

### VOLTAS | SOFTWARE ENGINEERING INTERN

May 2023 - Jul 2023 | Ranchi

- Tested and troubleshooted 8 bugs in new prototype AC software.
- Consolidated logs from 10+ services in 5 easy steps. Leveraged LLMs to generate 100 words summary of searched logs to save 15 minutes of troubleshooting time
- Tech Used: AWS CloudWatch, ReactJS, NodeJS, LLM, Hugging Face APIs

## PROJECTS

### BIT MESRA | RESEARCHER

Jan 2025 – May 2025 | Ranchi | GitHub Repository Link

- Developed an Android app for secure, encrypted peer-to-peer messaging to protect over 1 billion sensitive data records from cyberattacks.
- Leveraged Algorithm: Diffie-Hellman to simplify the secure key exchange and Cryptography Algorithm: AES-128 for text encryption.
- Tech Used: Android, Cryptography Algorithms: (Diffie-Hellman, AES)

### BIT MESRA | RESEARCHER

Jan 2024 – May 2024 | Ranchi | GitHub Repository Link

- Worked with Asst. Prof. Dr. Dinesh Kumar to evaluate Image Encryption, and Decryption using Chaotic Maps specifically Arnold Cat Map & Logistic Map.
- The hybrid of both maps offers 5x more security, with the Arnold Cat Map demonstrating resilience against statistical and brute force attacks, while the Logistic Map effectively resists noise attacks.
- The Arnold Cat Map requires 2X less computational power and enables 2x faster image encryption compared to the Logistic Map.
- Tech Used: Python, OpenCV, Numpy, Pandas, Matplotlib

## AWARDS

Sep, 2025      Pupil      Current Ranking on Codeforces

Apr, 2025      Knight      Current Ranking on Leetcode

May, 2023      1st RUNNER UP      Kavach Internal Hackathon (Ideation Round)