

# 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 AISSCE (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)