Naman Pahwa

namanpahwa20@gmail.com | 8920086232 | Seeking Software Engineering Internship
LinkedIn | GitHub | LeetCode | CodeForces | GeeksForGeeks

EDUCATION

BIT MESRA, RANCHI
Integrated Msc. in Mathematics And Computing
Expected Jun 2026
CGPA: 8.52 / 10 (Up to 6th Semester)

SRS PUBLIC SCHOOL, ROHTAK
CBSE AISSCE (12th) | 2020
Percentage: 88.2%

BBB PUBLIC SCHOOL, ROHTAK
CBSE AISSE (10th) | 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

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

VOLTAS | Software Engineering Intern
May 2024 - Jul 2024 | Ranchi
Technologies: AWS CloudWatch, ReactJS, NodeJS, LLM, Hugging Face APIs

- Tested and troubleshot 8 bugs in new prototype AC software.
- Consolidated logs from 10+ services for example: TelemetryCapturingService, DiagnosticsDataCapturingService etc in 5 easy steps.
- Leveraged LLMs to generate 100 words summary of searched logs.
- Overall, this process saved 15 minutes of developer time troubleshooting issues.

GYAN TECHNOLOGIES | Android Development Internship
May 2023 – Jul 2023 | Rohtak | GitHub Repository Link
Technologies: Android, Cryptography Algorithms: (Diffie-Hellman, AES)

- Developed an Android app for secure, encrypted peer-to-peer messaging.
- Leveraged Algorithm: Diffie-Hellman to simplify the secure key exchange and Cryptography Algorithm: AES-128 for text encryption.
- Fortified security by seamlessly auto-rotating encryption keys every 30 days, effectively mitigating risks.
- Implemented comprehensive security measures, protecting over 1 billion sensitive data records from cyberattacks and maintaining customer trust.

PROJECTS

BIT MESRA | Researcher
Aug 2024 – Present | Ranchi | GitHub Repository Link
Technologies: MERN stack, LLM, Hugging Face APIs, Tailwind CSS,

- Performed the sentiment analysis of the Kaggle provided 1M Amazon book reviews utilizing LLMs.
- Built bookstore website that displays the book description, customer reviews and sentiment analysis statistics, thus adding 5X acceleration to shopping.

BIT MESRA | Researcher
Jan 2024 – May 2024 | Ranchi | GitHub Repository Link
Technologies: Python, OpenCV, Numpy, Pandas, Matplotlib

- 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.

AWARDS

Date	Award	Description
Oct, 2024	Knight	Current Ranking on Leetcode
Sep, 2024	1759/34319	Ranked on Leetcode Weekly Contest 417
Feb, 2024	top 300/1200	Global Economics Case Competition (Organized by IIM Tri...
May, 2023	1st RUNNER UP	Kavach Internal Hackathon (Ideation Round)
Jun, 2023	Pupil	Current Ranking on CodeForces
Apr, 2023	1692/28000	Ranked in Codeforces Round 859