

# Manomay Kagalkar

Bengaluru, India | Phone: +91-6361057904 | Email: manomay111@gmail.com  
github.com/gitmank | linkedin.com/in/manomaykagalkar | manomay.co

## Education

### VIT Bhopal University

Pursuing Bachelor of Technology in Computer Science and Engineering, 8.29 CGPA  
(specialization in Cybersecurity and Digital Forensics)

Madhya Pradesh, India

July 2021 onwards

### RV PU College

Karnataka Pre-University Board, Class XII, 93.33%

Bengaluru, India

July 2021

### Carmel School

ICSE Board, Class X, 93.16%

Bengaluru, India

May 2019

## Skills

**Technologies:** Node.js, React.js, AWS and Google Cloud, MongoDB, PostgreSQL, Docker, RabbitMQ, Redis

### Certifications:

- AWS Certified Cloud Practitioner (CLF-C02), December 2023
- ISC2 Certified in Cybersecurity (CC), November 2023

## Projects

### BTC Alerts: Real Time Bitcoin Price Alerts App

July 2024

- Developed Next.js app with JWT based authentication, dashboard to manage alerts and Redis to cache routes
- Implemented event-driven design by queuing tasks with RabbitMQ and subscribing to BTC price with WebSockets
- Containerized the entire stack with Docker Compose, managing 7 different services and their networking

### Vault: Secure File Sharing App, <https://chuckit.xyz>

April 2024 – July 2024

- Developed Next.js app to encrypt and store files in Google Cloud Storage, then access them with short links
- Built Python command-line tool for hybrid encryption (AES + RSA), key management and file sharing using AWS S3

### TokenCity: Transaction System For Gaming Arcade, [\[Demo Video Link\]](#)

February 2024

- Created Node.js app with QR card scanner for 400+ players to load money, spend on games and redeem rewards
- Processed 968 transactions worth INR 39639.00 using PostgreSQL database protected against SQL injection attacks

### AI-Assisted Recruitment Portal, <https://thefusionclub.in>

December 2023 – January 2024

- Gamified the recruitment portal with GPT-4 sorting hat for candidates and summaries with ratings for evaluators, enabling the club heads to **shortlist 45 candidates from a pool of 273 applications** in just 8 days
- Tested real-time WebSocket API to handle 1000 concurrent connections and deployed on AWS EC2 instance

### DevScene Passes: Ticketing Solution, <https://devscene.vercel.app>

January 2023 – August 2023

Description: Google Form integration to generate and email a verifiable QR ticket on submission

- Built the admin dashboard, ticket scanning functionality and mailing service using Next.js, MongoDB and Flask.py
- Managed deployments on Vercel, Replit and Atlas to minimize cost, spending less than INR 80.00 per event served
- Served 8 major university events, **mailed over 4500 tickets and generated revenue of INR 15000.00**

## Responsibilities

### Technical Team Head, The Fusion Club

August 2022 – May 2024

- Analyzed previous registrations data to identify typing as pain-point for users, proposed and led development of single-click, formless registration that eliminated Google Form registrations at 2 events for over 600 users
- Managed the technical requirements for registration, payment verification, communication, gaming and timing solutions at the club for 9 events with a total footfall of 2500+ students

### Student Coordinator, VIT Bhopal Experiential Learning Programme

August 2023 – October 2023

- Negotiated with officials at the Bangalore Metropolitan Transport Corp. (BMTC) and Bangalore Metro Rail Corp. (BMRCL) to finalize the schedule for industrial training, site visits and bus tours of 600+ students
- Collaborated with team of 8 coordinators to facilitate sessions according to approved schedule at 5 sites

## Additional Info

### Achievements:

- Received global rank 75 out of 6482 teams in HackTheBox Cyber Apocalypse CTF
- Won 1st place out of 37 finalists in PreProdCorp Buildathon 2024 for building an AutoML solution

### Hobbies:

- Running – completed the Bengaluru Mountain Festival Trail Run 2023 edition, currently training for a 21K
- Self-hosting - saved INR 3000.00 in cloud costs with home server for hobby projects, <https://pi.manomay.co>

**Languages:** English, Kannada, Hindi