



# AVINASH KUMAR SINGH

Bhopal , Madhya Pradesh , India

☎ +91-7498997018 ✉ [avinash.mar05@gmail.com](mailto:avinash.mar05@gmail.com)  [Linkedin Profile](#)  [Github](#)

## EDUCATION

### VIT Bhopal

2023 – 2027

*B.Tech - Computer Science and Engineering (Minors in Cybersecurity and Digital Forensics)*

**CGPA- 7.64**

## COURSEWORK

### Data Structure and Analysis of Algorithm

**Methodologies & Concepts:** System Architecture, Git , Data Analysis

**Technologies/Framework/Practices:** React, Node.js, SDLC, Security, Application Resiliency , MongoDB , PostgreSQL

**Coursework:** Object-Oriented Programming, Computer Networks, Database Management Systems, Operating Systems, Web Security , Software Engineering, Engineering Design and Modelling , Data Structures and Algorithm Design and Analysis

## WORK EXPERIENCE

### Product Academy - Growth and Analytics Intern [Remote]

Dec , 2023

- Streamlined the candidate filtering process with data-driven mechanism, achieving 26% faster hiring time.
- Interviewed 15+ HRs and founders to understand with them better and observed their job hiring behaviour.
- Devised innovative strategies to set Assessment feature from 0-1 through competitor analysis and market research.

## PROJECTS

### Astu Credit - Fintech Case Study

Apr, 2025 - Jun, 2025

- Conducted an in-depth case study to address low user engagement while maintaining the prevailing UI.
- Analyzed and interpreted bounce rates using SQL PowerBI, deriving key insights to guide decision-making.
- Devised a gamification strategy featuring Fixed Deposit avatar rewards, thus boosting engagement by 17%.

### Bata Product Management Case Study — PM School Competition

May, 2024 - Jul, 2024

- Achieved estimated 32% higher conversion rates and increased the customer engagement for online platform.
- Conducted user survey & interviews of 50+ users to understand their needs & behavior towards industry.
- Designed & prototyped UI/UX features to improve user buying behavior, with clear metrics to measure success.

### Flipkart Product Recommendation System

Aug, 2024 - Sep, 2024

- Processed over 7.5M+ user-product interactions and applied SVD on a CSR matrix to tackle data sparsity..
- Built user-based, model-based collaborative filtering, and rank-based algorithms to tackle cold-start issue.
- Employed preprocessing and the cosine similarity to achieve RMSE of 0.136 for accurate recommendations.

## SKILLS AND CERTIFICATIONS

**Languages, Frameworks Tools:**SQL, JAVA ,C++ ,n8n, Python, MS Excel, Superbase, Figma, PowerBI, Adobe

Photoshop, v0 **Area of Interest:** Product Management, Problem Solving, Case Studies, Classical Machine Learning

**Interpersonal Skills:** Accountability, Adaptability, Team person, Active Listening, Networking, Patience

## ACHIEVEMENTS

- Top-5 Finalist in **Anti-Piracy Hackathon** Initiated by World Audio Visual Entertainment Summit for MSME Industry and Conducted by Ministry of Maharashtra.
- Top-3 Finalist in **SOLVIT Hackathon** held in VIT-BHOPAL,
- 175+ day learning streak on Duolingo for German & Japanese.

## CO-CURRICULAR ACTIVITIES

### Joint Secretary - BitsbyBits Club VIT Bhopal

- Conducted technical workshops, coding bootcamps enhancing programming skills and community engagement.

### Team Lead at Mozilla Firefox Club, VIT Bhopal

- Organized 5+ hackathons and coding events, increasing participation from 100 to 300+ students.

### Student Council - Discipline Committee at VIT Bhopal

- Ensured smooth conduct of campus activities by maintaining order during events and enforcing institutional code of conduct.
- played Basketball , athletics and football at **National-Level** .