AMAN KUMAR SINGH

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EDUCATION

VIT Bhopal **2022 – 2026**

B.Tech - Computer Science and Engineering (Minors in Cybersecurity and Digital Forensics) *CGPA- 9.2*

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 Deposite 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, n8n, Python(Basic), 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.
- Sharpened data structures and algorithms proficiency by completing over 450 coding challenges on LeetCode and GeeksforGeeks, improving code efficiency and reduced runtime.

CO-CURRICULAR ACTIVITES

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.