

AMAN MALVIYA

Ward No.14, Narmada Puram, Madhya Pradesh-461001, INDIA

Email: amanmalviya258@gmail.com

GitHub: <https://github.com/amanmalviya258>

Phone: +91 8982229022

LinkedIn: <https://www.linkedin.com/in/amanmalviya258>

ACADEMIC QUALIFICATION

Bachelor of Technology in Computer Science and Engineering: GPA: 8.15/10

Jun 2020 - Jun 2024

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, SIRT College, Bhopal

WORK EXPERIENCE

Zappian, Bhopal

Software Engineering Intern

May - Nov 2023

- **Led** the backend development of an internal tool using Node.js and ClickHouseDB to handle query processing and data retrieval without database queries.
- **Architected** database schemas/schema blueprints and **designed/developed** REST and GraphQL APIs
- **Integrated** a Llama transformer generative model for natural language processing and translation into database-specific commands.
- **Collaborated** with the frontend team to redesign and implement Digital Fox Media, a web app using PHP and Bootstrap, resulting in a ~25% increase in monthly traffic.
- **Implemented** Figma frame wires using Material UI components in React.js for Cred Mudra, an in-house loans aggregator product under Zappian, resulting in a ~19% increase in their revenue.

ACADEMIC PROJECTS

Slack Approval Workflow Bot

- **Led** the development of an interactive Slack approval workflow bot using Node.js, Slack Bolt framework, and Slack Block Kit, triggered via custom slash commands for streamlined team approvals.
- **Integrated** Slack Web APIs to enable real-time notifications and personalized user interactions within the Slack workspace.
- **Designed and implemented** dynamic modals and interactive UI elements

Coin-X

- **Contributed** to developing Coin-X, a real-time cryptocurrency platform built on Node.js, Express.js, and TypeScript, which delivers instant cryptocurrency price updates, historical analyses, and insights into institutional investments.
- **Engineered** task scheduling microservices, ensuring timely updates of cryptocurrency data, and improving system reliability.
- **Optimized** MongoDB performance through **strategic indexing** and **implemented Redis caching**, resulting in a **40%** reduction in query response times and improved scalability.

TECHNICAL SKILLS

Programming Languages: Java, Go, JavaScript, SQL, PHP

Libraries & Frameworks: Node.js, Express.js, Nest.js, Gin

Database/Cloud Technologies: MongoDB, AWS, Google Cloud, Firebase, GIT/Github

PUBLICATIONS

- Atharva S. C., Fenil A., A. Malviya, Sidant S., Fahad A. K., Shamal A. H., Avasarala L.V.(2024). Automated Image Description Generation using Deep Learning Techniques. *International Journal of All Research Education and Scientific Methods*, 12(10). ISSN: 2455-6211. <https://www.ijaresm.com/automated-image-description-generation-using-deep-learning-techniques>
- Chaudhari, A. S., Mapara, K. H., A. Malviya, A., VarunTeja, C., Manoj Kumar, T., & Nara, K. (2024). Parallel computing for enhanced image processing and machine learning performance. *International Journal of All Research Education and Scientific Methods*, 12(9). ISSN: 2455-6211. <https://www.ijaresm.com/parallel-computing-for-enhanced-image-processing-and-machine-learning-performance>

LEADERSHIP ROLE

Steward, Guinness World Record

Jan 2023

- **Led** a team of **50** to assemble **1,459** agriculture-based robots for a **Guinness World Record** titled 'Most People Assembling Robots Simultaneously' while ensuring compliance with the guidelines.

ACTIVITIES AND ACHIEVEMENTS

- Awarded **Student of the Month** three consecutive times for demonstrating consistent academic excellence and leadership at Sagar Institute of Research and Technology (SIRT), Bhopal. Jan - Mar 2023
- Featured on the **Wall of Fame as an Academic and Co-curricular Achiever** in the Department of Computer Science at Sagar Institute of Research and Technology (SIRT) College, Bhopal. June 2024
- **Winner** of Web Development Quiz Competition, Organized by CipherMosch. Mar 2023
- Placed among the **Top 5 Finalists** at the iNeuron-PW Skills Hackathon, recognized for innovative problem-solving and technical prowess, iNeuron.ai, Brigade Signature Towers, Sannatammanahalli, Bengaluru. Jan 2023

COMMUNITY INVOLVEMENT

Core Team Member, Google Developer Student Club, SIRT Bhopal.

Jun 2023 - Jul 2024

- Organized workshops, coding sessions, and tech talks, attracting over **500+** participants. Guided students to enhance their practical skills and industry awareness, receiving an **88%** positive feedback rate.

Head Event Coordinator, DevFest 2023, Google Developer Group Bhopal.

Dec 2023

- Orchestrated key aspects of a major tech conference, DevFest 2023, attended by over **250** developers. Facilitated knowledge exchange through **10+** technical workshops and networking sessions.