

# Samit Mohan

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## Education

New Horizon College of Engineering, Bangalore

2020 - 2024

BACHELOR OF TECHNOLOGY IN INFORMATION TECHNOLOGY

CGPA : 9.3 / 10.0

## Experience

### Genpact

Bangalore, Karnataka

DATA INTERN

July 2023 - Sept 2023

- Led data manipulation, preprocessing, and dashboard development for Root Cause Analysis (RCM) using Tableau and Alteryx for data-driven insights.
- Designed and implemented a web-based churn prediction model application for internal POC using Python and Streamlit
- Conducted sentiment analysis on client reviews, utilising NLP methodologies. Developed interactive web user interface to categorise and visualise reviews.
- **Tech Stack** : Python, Tableau, Alteryx

### MakeMyTrip

Gurgaon, Haryana

SOFTWARE ENGINEER INTERN

Aug 2022 - Oct 2022

- Worked on a backend internal tool to produce an API based on data-driven decision service for enhancing user experience.
- Worked directly under the VP and personalisation team to design and implement a multi-arm bandit algorithm on the homepage that dynamically optimised content and increased conversion rates.
- **Tech Stack** : Scala, Redis, mySQL, Kafka and AWS.

## Projects

### URL Shortener

- Designed a URL Shortener from scratch using the MVC model in Scala.
- Utilised the **play API**, **redis**, and **akka HTTPS** for the backend.
- Employed an MD5 - message digest algorithm approach and hashing to optimise the standard URL shortener.

### Automated Journal

- Created an automated two-minute journal using Python.
- Used **requests** and **markdown** to develop the application.
- The journal aims to address on mental health and burnout concerns using Python.

## Achievements

MICROSOFT LEARN STUDENT AMBASSADOR (*November 2021 - present*)

- Developed leadership skills with students and **Microsoft employees**.
- Organised seminars on **version control** for students, reporting to Microsoft employees.

FOUNDER OF CODING CLUB OF NHCE

- Headed the execution of **20+** coding contests and seminars, both offline and online, with **150+** participants.
- Mentored juniors to prepare for DSA rounds and technical interviews.

- Solved **500+** questions on Leetcode & received 100 Days Badge 2022 (**top 3% programmers**)
- Achieved **rank 1** in university class for the past 2 years, as well as being in the **top 5** in the department.
- Won the **Gold Award** three years in a row in the International CyberFair website competition (*2015-2018*)

## Technical Skills

**Languages:** C/C++, Python, Java, Scala

**Technologies:** Git, SQL, NoSQL (Redis, MongoDB), AWS, Postman, Prompt Engineering, NLP

**Tools:** Tableau, [Alteryx](#), VSCode, Github, JetBrains, Vim

**Interests:** OOPs, Data Science, Low-Level Design, Databases, Operating Systems