

Mahek Paliwal

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Education

VIT Bhopal University – Bhopal, Madhya Pradesh
B.Tech in Computer Science Core (Expected 2026)
CGPA: 9.11

Projects

- **HealthHub (Frontend Development)** - Designed a web-based platform for collecting and analyzing personalized medical data for over 500 users, implemented disease prediction with 85% accuracy using data models, and integrated a nutrient-based diet and workout recommendation system using HTML, CSS, JavaScript, and jQuery. **Github Repo:** <https://github.com/Mahek2854/HealthHub.git>
- **VoltVit (Ongoing)** - Developing a fitness platform for goal-based workout planning using HTML, CSS, JavaScript, and jQuery
Github Repo: <https://github.com/Mahek2854/VoltVit.git>
- **Journaling Application (Ongoing)** - Building a RESTful API-based journaling application handling 1,000+ entries per day with CRUD operations and timestamped entries for seamless data retrieval using Spring Boot and MongoDB.
- **Qlik Analysis of Road Safety and Accident Patterns in India.** : Conducted data analysis on road safety trends using Qlik Sense, analyzing 10,000+ data points across multiple variables such as traffic data, weather conditions, and demographics to identify accident hotspots and contributing risk factors. **Github Repo:** <https://github.com/Mahek2854/Qlik-Project.git>

Internships and Programs

- **17th April 2024 -24th June 2024**

Business Analytics Virtual Internship Program powered by Qlik.

- Analyzed road safety data across 50+ cities using Qlik Sense.
- Applied advanced data analysis techniques to extract insights.
- Developed data visualizations and reports for decision-making.

Internships

- **12th December 2024-Present**

Paytm-DevOps Intern (Payouts Team)

- Conducted unit testing and validation of multiple project classes using **JUnit**, achieving a **30% reduction in system errors** and improving software reliability.
- Gained hands-on experience in **DevOps**, focusing on **automation, software quality assurance, and deployment pipelines**.
- Contributed to the integration of **CI/CD** processes, streamlining development workflows and ensuring efficient, continuous delivery.
- Collaborated with cross-functional teams to enhance system performance and ensure consistent software deployment.

Extracurricular

- **DARPAN'23 – Stage Play Performer** (*Techno-Cultural Fest AdvIT'ya'23, VIT Bhopal*)
- **Core Member – Social Media Team (Feb 2024 – Jun 2024)**, The NULL VITB Student Chapter
- **Co-Lead – Social Media Team (Jun 2024 – Present)**, The NULL VITB Student Chapter

CERTIFICATIONS AND TRAININGS

NPTEL Online Certification in Cloud Computing by IIT Kharagpur (Jan 2024) scoring 90 %

MATLAB, SIMULINK ONRAMP Training by MATHSWORKS

The BITS AND BYTES OF COMPUTER NETWORKING by Google (Coursera)

Skills

Proficient in Java, Python, C++ (OOPs), HTML, CSS, JavaScript, jQuery, MySQL, MongoDB, Spring Boot, JUnit, Qlik Sense, MATLAB, MS Office, Git