

Mahek Paliwal

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Education

Vellore Institute of Technology
Bachelor of Technology (B.Tech) in Computer Science | Expected Graduation: 2026
CGPA: 9.05/10

Technical Skills

Programming Languages: Java, JavaScript , HTML5 , CSS3
Database Technologies: MySQL , Spring Boot with JPA/Hibernate
Frameworks & Tools & Testing: Spring Boot , Spring Security, Junits

Projects

Smart Contact Manager | Full-Stack Web Application

Sept 2024-Dec 2024

Developed a secure, full-stack contact management platform that enables users to centrally store and manage contact information with enterprise-grade security protocols. The system provides intuitive organization tools alongside advanced productivity features including bulk data export in Excel/PDF formats and Cloudinary-integrated media storage, creating a comprehensive solution for personal and professional contact management needs.

Tech Stack: Java, Spring Boot, Spring Security, OAuth 2.0, MySQL, Hibernate, JavaScript, React, Cloudinary

SkySense | Weather Forecasting Application

Jan 2025-March 2025

Built a high-performance weather platform delivering real-time forecasts with sub-second load times and exceptional reliability. The application serves global weather data through a scalable cloud-native backend and responsive, intuitive user interface. Advanced features include intelligent location-based search, predictive caching, and detailed meteorological visualizations. The platform consistently handles high traffic volumes while maintaining optimal performance across all user interactions

Tech Stack: Java, Spring Boot, MVC, Hibernate, MySQL, Redis, REST APIs, JavaScript, React, OpenWeatherMap API

Internship

Paytm -DevOps Intern -Payouts Team | Noida ,India

December 2024 - March 2025

- Engineered comprehensive unit test suites using JUnit and Mockito, achieving 85%+ code coverage through systematic test case development and continuous validation. Integrated testing into Bitbucket CI/CD pipelines, enabling automated test execution and real-time coverage reporting that guided targeted code improvements.
- Streamlined quality assurance processes by establishing automated testing workflows in Bitbucket, where I regularly monitored coverage metrics and enhanced test cases to bridge gaps. This methodical approach to test optimization resulted in a 30% reduction in production defects and significantly improved software reliability.

Internships and Programs

Business Analytics Intern | Qlik (Virtual Internship)

17th April 2024 -24th June 2024

- Analyzed road safety datasets across 50+ cities using Qlik Sense, identifying key trends and patterns
- Developed interactive dashboards and reports, improving data-driven decision-making processes by 25%

Extracurricular

- Performer | DARPAN'23 Stage Play (Advitiya '23, VIT Bhopal)
- The NULL VITB Student Chapter

Core Member | Social Media Team

Feb 2024 – Jun 2024

Co-Lead | Social Media Team

Jun 2024 – April 2025

Spearheaded content creation and engagement strategies, achieving 35% follower growth
Coordinated social media campaigns and managed cross-platform digital presence

Certifications and trainings

NPTEL Certification in Cloud Computing (IIT Kharagpur) | Score: 90% (Top 5%)
NPTEL Certification in Marketing Analytics (IIT Kharagpur)

Achievements and Profile Links

Solve 400+ problems , Coding Profile Handles: [LeetCode](https://leetcode.com/), [GeeksForGeeks](https://www.geeksforgeeks.com/)