Mahek Paliwal

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Education

VIT Bhopal University | Bhopal, Madhya Pradesh
Bachelor of Technology (B.Tech) in Computer Science | Expected Graduation: 2026
CGPA: 9.06/10

Technical Skills

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

Work Experience

Paytm -*DevOps Intern* **-Payouts Team | Noida ,India**   *December 2024 - March 2025*

- Executed automated unit testing using JUnit framework, achieving 30% reduction in system errors and enhancing software reliability through comprehensive test case development and validation.

- Collaborated with cross-functional development teams to optimize testing workflows, accelerated code coverage analysis, and delivered robust application performance through strategic quality assurance methodologies .

Projects

Smart Contact Manager | *Full-Stack Web Application*   *Sept 2024-Dec 2024*

- Led the full-stack development of a secure contact management platform serving users, slashing vulnerability incidents by 90% via the implementation of OAuth 2.0 and Spring Security frameworks.

- Architected a scalable backend with Spring Boot and MySQL, optimizing database queries to achieve a 40% improvement in API response times for CRUD operations.

- Pioneered advanced feature integration including bulk data export (Excel/PDF) and Cloudinary media storage, increasing user productivity by 15% and reducing server load by 30%.

SkySense | *Weather Forecasting Application*   *Jan 2025-March 2025*

- Led full-stack development of a high-performance weather platform, optimizing API calls and client-side rendering to achieve a 95+ Lighthouse performance score and sub-second load times.

- Designed a scalable MVC architecture with Spring Boot, efficiently handling 10,000+ daily API requests to OpenWeatherMap and reducing server response time by 30% through caching strategies.

- Drove user engagement up by 25% by implementing intuitive features like location-based search.

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, GeeksForGeeks