

# ABHINAV PORWAL

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## SKILLS

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**Programming Languages:** Golang, C++ , SQL, JavaScript

**Frameworks and Libraries:** Gin, React.js, REST APIs

**Databases and Tools:** MongoDB, Git, GitHub

**Concepts and Methodologies:** Object-Oriented Programming, Data Structures and Algorithms, Operating Systems, Database Management Systems (DBMS), Authentication and Authorization, API Design

## EDUCATION

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VIT Bhopal University (India). B. Tech- CSE (Core) CGPA - 8.56	Aug 2022 - Present
Dashpur Vidyalaya Mandsaur – 12 <sup>th</sup> CBSE(PCM) – Percentage(79)	2020-2021
Dashpur Vidyalaya Mandsaur – 10 <sup>th</sup> CBSE – Percentage(84)	2018-2019

## PROJECTS

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**SmartDine** [Link](#)

*Tech Stack: Golang*

- Engineered and deployed a high-performance RESTful API using Go(Gin framework) and MongoDB that efficiently handled over 5,000 concurrent users with zero downtime, ensuring seamless operation during peak hours.
- Designed an automated invoice generation system that reduced billing processing time by 20%, directly improving financial workflow efficiency and reducing manual effort for the finance team.
- Designed scalable MongoDB data models and implemented complex CRUD operations and business logic for core entities (Users, Orders, Menu Items, Payments).
- Implemented JWT-based authentication middleware and secure password hashing to protect user data and API endpoints.

**E-Commerce API** [Link](#)

*Tech Stack: Golang*

- Developed a fault-tolerant microservices-based RESTful API that consistently processed 800+ RPS (Requests Per Second) while maintaining 99.9% uptime, significantly improving site reliability and user experience.
- Built secure, reusable modules for JWT authentication, product catalog management, shopping cart functionality, and order processing flow.
- Led a major code refactoring initiative that reduced code complexity by 25% and cut average bug resolution time by 15+ hours per sprint, dramatically improving code maintainability and team velocity.

## CERTIFICATION

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**SmartBridge** - Full Stack Developer MERN [View Credentials](#)

**IBM** - DevOps Fundamentals [View Credentials](#)

## ACHIEVEMENTS AND PARTICIPATION

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**Unstop Hackathon Participant:**Collaborated in a time-constrained team to develop a full-stack Task Tracker application from concept to deployment

**Open Source Contributor:** Actively contributed to open source projects, collaborating with global developers to improve codebases, fix bugs, and implement new features.