

# Shivam Jha

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## Summary

Results-driven **Software Engineer** with over **one year of experience** in **cross-platform application development** and **database-driven solutions**. Proficient in **Flutter, Firebase, React.js, PHP, and MySQL**, leveraging these technologies to design **secure, scalable, and responsive systems**. Demonstrated ability to integrate **cutting-edge technologies** to deliver **seamless, high-performance user experiences** that meet and exceed business objectives, enhancing operational efficiency and user satisfaction.

## Professional Experience

### Application Developer

*feb 2024 – Present*

- Developed **scalable mobile and web applications** with optimized UIs and robust backend systems, reducing load times by **30%**.
- Strengthened **data security** by implementing Firebase authentication and **industry-standard encryption practices**.
- Streamlined CI/CD pipelines using **GitHub** and **Docker**, improving deployment efficiency and system maintainability.
- Integrated **WhatsApp messaging** using APIs for real-time communication, enhancing customer interaction and engagement.
- Implemented **DOMPDF** for generating dynamic, user-specific PDFs such as invoices and reports, automating document management workflows.

## Projects

### Plot Booking Management App *Technologies: Flutter, Firebase, PHP, MySQL, AWS*

- Developed a **Flutter-based application** for site and visitor management, improving booking accuracy by **20%**.
- Designed **real-time plot tracking** with advanced filtering and search functionalities.
- Implemented secure database interactions and **role-based access controls** using Firebase and MySQL.
- Integrated **DOMPDF** for generating and formatting agreements dynamically as PDFs.
- Implemented **WhatsApp integration** to send agreements directly to clients, enhancing user convenience and communication efficiency.

### Predictive Analytics for E-Commerce *Technologies: React.js, JavaScript, HTML, CSS, SQL, PHP*

- Designed a responsive **React.js front-end** for user interaction and data visualization.
- Integrated a secure **PHP backend** with MySQL database for efficient data management.
- Implemented predictive analytics to analyze user behavior and **improve conversion rates by 25%**.

## Skills

### Programming Languages:

- **Java:** Modular, object-oriented code for scalable applications.
- **Python:** Automation scripts, data analysis, and AI/ML development.
- **Dart:** Cross-platform applications using Flutter.

### Web Development:

- **HTML, CSS:** Responsive, visually appealing UIs.
- **JavaScript, React.js:** Dynamic, interactive front-end.
- **PHP:** Backend server logic.

### Mobile Development:

- **Flutter:** Cross-platform mobile apps for Android and iOS.
- **Firebase:** Real-time database, authentication, analytics.

### Database Systems:

- **MySQL:** Relational databases and complex queries.
- **PL/SQL:** Writing complex queries and stored procedures.

### DevOps:

- **GitHub:** Version control for collaboration.
- **Docker:** Containerizing applications for scalability.
- **AWS:** Deployed and managed scalable applications using AWS services.

## Education

**Bachelor of Engineering | Jain College of Engineering and technology**

*Jun 2019 - Jun 2023*

- **Specialization:** *Computer Science and Engineering.*
- **Academic Achievement:** Secured a **CGPA of 7.6.**
- **Notable Projects:** Developed a **chatbot for intelligent voice interaction** and an **e-commerce user behavior prediction system.**

**PUC | Karnataka College of Dharwad**

*Jun 2017 - Jun 2019*

- **Major Subjects:** (PCMS).
- **Achievement:** Received the **Academic Excellence Award in Science.**

## Certifications

- **Web Developer Internship:** Completed a **3-month internship** at **Fork Technologies**, specializing in **front-end and back-end web development.**
- **Data Structures and Algorithms:** Certified by **CareerNinja** for **advanced problem-solving and algorithmic skills.**
- **HackerRank Certifications:**
  - **Problem Solving:** Mastered **logic-based and mathematical challenges.**
  - **Python:** Achieved proficiency in **scripting and automation.**
  - **JavaScript:** Certified expertise in **dynamic web application development.**
  - **CSS:** Skilled in **advanced styling and layout techniques** for web applications.