Pavan Kumar Mistry

Glassboro, NJ

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PROFESSIONAL SUMMARY

Full Stack Developer with 3+ years of experience building scalable web and mobile applications using **React, Node.js, Spring Boot, and Flutter**. Proven track record of optimizing system performance (25%+ improvement) and boosting user engagement (40%). Skilled in developing **real-time APIs, microservices**, and deploying high-availability apps on **AWS/GCP**. Strong advocate for clean code, CI/CD, and cross-functional collaboration.

SKILLS

- **Frontend:** React.js, Next.js, React Native, Flutter, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS, Bootstrap, Radix UI, Shadcn UI, Material UI
- **Backend:** Java (Spring Boot – Microservices), Node.js, Express.js, Python (FastAPI, Flask), C, C++, REST APIs, GraphQL, WebSocket APIs, JWT Auth, OAuth 2.0
- **Architecture & Cloud:** Microservices Architecture, Spring Cloud (Gateway, Eureka), API Gateway, Service Registry, AWS (EC2, EBS), Google Cloud Platform (GCP), Docker, GitHub Actions
- **Databases:** MongoDB, Oracle database, MySQL, Firebase, PostgreSQL
- **Testing & Tools:** Jest, Vitest, React Testing Library, Redux, BLoC, Git, Figma, TensorFlow, Keras, Image Classification

PROFESSIONAL EXPERIENCE

SoftWeb Technologies   *May 2021 - Sep 2023*
Full Stack Developer   *Mumbai, India*
- Led the end-to-end development of **3+ web applications using React.js, Next.js, Node.js, and MongoDB**, deploying on **AWS EC2 with EBS** for scalable storage and achieving **99.8% uptime** through optimized CI/CD pipelines
- **Integrated JWT authentication** and **mobile-responsive UI components**, increasing device compatibility by 40% and improving user retention.
- Mentored junior developers in **code reviews and AWS best practices**, fostering collaboration and reducing bug rates by 15%.

Kabb   *July 2022 - July 2023*
Software Development Associate (Remote)   *Haryana, India*
- Designed and developed a **dual-application mobile system using React Native**, **improving user engagement by 30%** through enhanced interactive features and streamlined navigation.
- Engineered **real-time location tracking by integrating Firebase and Google Maps APIs**, reducing latency by 25% while **maintaining RESTful API** standards for reliable backend communication.
- Collaborated with **Agile teams to optimize development workflows**, ensuring timely deliveries and maintaining comprehensive technical documentation for future scalability.

OrgSpeak   *Oct 2021 - Dec 2021*
Flutter Developer (Remote – Part Time)   *Texas, USA*
- Developed a **high-performance Flutter mobile application using BLoC state management architecture**, reducing initial load time by 35% and **improving 30-day user retention by 22% through optimized asset loading** and efficient state handling.
- **Integrated secure user authentication flow featuring OTP verification via Firebase Auth**, decreasing fake account creation by 65% while maintaining a **95% successful verification rate**.
- **Collaborated with UX designers to transform Figma wireframes** into pixel-perfect, interactive components, improving design-to-development handoff efficiency by 40%.
- Enhanced app accessibility by **implementing responsive layouts that adapted seamlessly across 50+ Android and iOS devices**, reducing support tickets for display issues by 35%.

EDUCATION

Rowan University, Glassboro, NJ   *Sep 2023 - May 2025*
MS in Computer Science
- **GPA**: 3.54/4

Bharat Institute of Engineering & Technology, India   *July 2019 - July 2023*
Bachelor of Technology, Computer Science and Engineering
- **GPA:** 8/10

PERSONAL PROJECTS

Full Stack Video Sharing Platform - *Next.js, TypeScript, Xata, Drizzle ORM, Bunny CDN, Arcjet, Tailwind CSS*
- Developed a secure, scalable video-sharing platform with **Better Auth** for authentication, **Xata** for real-time database and search, and **Drizzle ORM** for type-safe SQL interactions.
- Enabled seamless video uploads and adaptive streaming using **Bunny CDN**, with bot protection and rate-limiting via **Arcjet middleware**.
- Architected the app using **Next.js App Router** and modular components, ensuring high performance, maintainability, and cloud-readiness.

Full Stack Billing System - *React.js (Vite + TypeScript), Spring Boot, MySQL, Razorpay, AWS S3*
- Built a **full-stack** billing platform with **secure Razorpay integration** for **real-time payments** and **AWS S3** for cloud invoice storage.
- Developed **RESTful APIs** using Spring Boot and designed a **responsive frontend** with **React.js and TypeScript**.
- Implemented **modular architecture** with environment-based configuration for database, payment, and cloud storage credentials.

Java Quiz Microservice System - *Spring Boot, Spring Cloud Gateway, Eureka, Java 17, REST API*
- Built a microservice-based quiz system with modular services for **Quiz**, **Question**, **API Gateway**, and **Service Registry (Eureka)** to support scalable and maintainable architecture.
- Enabled dynamic routing and service discovery using **Spring Cloud Gateway** and **Eureka**, facilitating seamless inter-service communication.
- Designed **DTOs (QuestionWrapper & Response)** for secure data exchange and implemented RESTful APIs that reduced quiz generation latency by 40%.

Mock-Interview-Prep - *Next.js, Firebase Auth, Tailwind CSS, Vapi AI Voice Agents*
- A web application **built with Next.js** for the **frontend and backend logic**, featuring **Firebase for authentication** and data storage. Styled with **TailwindCSS** and **integrated with Vapi's AI voice agents**, this platform provides a modern and interactive solution for job interview preparation.
- The project serves as a learning **experience in integrating AI models** into web applications.

Leaf Disease Identification - *Flutter, TensorFlow/Keras, Firebase, Multilingual Support*
- Developed a **Flutter mobile app** with **TensorFlow/Keras** backend that identifies **35+ crop diseases** (97.53% accuracy) from leaf images, helping farmers prevent crop loss
- **Trained ML model on 650,000+ images** and implemented **15-language support** to make the solution accessible to non-English speaking farmers
- Recognized in **Top 50** of Google Solution Challenge for addressing UN Sustainable Development Goals (Zero Hunger, Responsible Production)

Sanity Social Media App - *React.js, Node.js, Firebase Firestore, OAuth 2.0*
- It is built with **React, Node.js**, and **Firebase** that enables secure image sharing, downloads, and **real-time interactions** through **Firebase Firestore with OAuth 2.0 authentication** for robust user security.
- The application features a **responsive React frontend, efficient Node.js backend API, Firebase Storage** for media handling, and follows modern development practices to ensure **optimal performance**, **scalability**, and **clean code architecture.**

Ecommerce Website - *React.js, Node.js, Stripe, PayPal, Redux, MongoDB*
- Developed a **full-stack online store** with **admin dashboard**, inventory management, and **payment integrations** (Stripe/PayPal).
- Scaled backend APIs to handle **1,000+ daily users** with **Redux** for efficient state management and **MongoDB** for high-throughput data operations.
- Achieved **95% Lighthouse performance scores** via code-splitting, lazy loading, and caching strategies.

CERTIFICATIONS

Meta Programming with **JavaScript** (Coursera), Frontend Developer (**React**) – HackerRank, Meta React Basics (Coursera), Programming for the **Web with JavaScript** – PennX, Meta **HTML and CSS in Depth** (Coursera), freeCodeCamp (Front End Libraries, **Responsive Web Design**), Programming for Everybody (**Python**) – University of Michigan, **SQL** (Advanced) – HackerRank, Meta **Version Control** (Coursera), **Problem Solving** (Intermediate) – HackerRank

ACHIEVEMENTS

- As **Google Developer Students Club Project Lead** conducted hands-on workshops and sessions on Web Development, Docker, Kotlin, Kubernetes, Cloud, Git.
- **1st Place, Hackathon:** Built an AI-powered Agro Drone that analyzes soil health and crop conditions with **30% higher yield accuracy** than traditional methods. Integrated **Python**, **OpenCV, and IoT sensors** to provide real-time farmer alerts.
- Finalist for Innerve 6.0 Hackathon, which is India's largest student run hackathon and stood in **top 15 out of 800 teams.**