

# Pujan Kothari

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## EDUCATION

### University of Florida

Masters of Science in Computer Science

Aug 2022 – May 2024 | Gainesville, Florida  
CGPA:3.92/4.0

### Mumbai University

Bachelors in Engineering in Computer Engineering

Jul 2018 – May 2022 | Mumbai, India  
CGPA:8.74/10

## PROFESSIONAL EXPERIENCE

### Associate Software Developer, The MammaCare Foundation, Inc

May 2024 – present

- Enhanced the LMS portal for MammaCare, a leading SaaS-based breast cancer detection training program that enhances nurses' clinical breast exam (CBE) skills through an advanced learning management system and models.
- Collaborated with stakeholders to design and implement a cohort assignment algorithm within admin features using Next.js, TypeScript, Tailwind CSS. Engineered a CI/CD pipeline with Git, Firebase, Docker, Jenkins and Cypress to automate builds, tests, and deployments, and authored technical code documentation.
- Achieved a 40% reduction in test case generation time and a 25% improvement in debugging efficiency, resulting in a 70% quiz completion success rate and a 40% increase in referred school sign-ups.

### Full Stack Developer, Secureito.com

Dec 2021 – Jun 2022

- Developed and maintained Secureito.com, a user data security web application focused on enhancing data protection and privacy, which maintains 1,000 active users monthly.
- Utilized React.js, TypeScript, JavaScript, Node.js, and Firebase Database to build and optimize the application, creating a user-friendly UI. Leveraged REST APIs, authentications, state management, and hooks to reduce re-renders and enhance security.
- Implemented Google Cloud Functions to send email notification-based alerts using Firebase triggers, while ensuring strong security policies, including CORS, XSS prevention, and Content Security Policy (CSP), to protect against unauthorized access.
- Featured on multiple news websites for its innovative security, the application reduced data secure time from 2 hours to 10 minutes, greatly enhancing efficiency.

### Software Engineer, MinSysT Consulting Pvt Ltd

Nov 2020 – Nov 2021

- Developed a Gold Ornament Invoice and Voucher Receipt Software for our client, a leading gold ornament manufacturing and design firm with a nationwide clientele across India, from planning to testing and Intergration phase.
- Leveraged Java, Springboot, JavaScript, Maven, REST APIs and SQL with Spring MVC architecture, featuring automated data capture, user authentication, dynamic receipt sizing, PDF conversion, and advanced encryption for secure data management.
- Integrated Hibernate ORM with MySQL databases, implementing complex queries and data models, optimizing data retrieval, and persistence operations to improve query response times by 30% for key business logic.
- Implemented unit testing frameworks like JUnit to validate critical features, and user role management, maintaining over 90% test coverage and reducing post-deployment defects by 25%.
- Deployed a refined caching mechanism with event-driven cache voucher expiration plans, reducing database queries by 60%. This optimized application performance and scalability, minimizing load on the backend infrastructure.

### Web Developer, Mahapragya Public Group

Jul 2020 – Oct 2020

- Developed a scalable Content Management System (CMS) for Mahapragya Public Group's website, serving a group of educational institutes with 5,000 students across all schools.
- Created a dynamic image gallery and optimized content management for over 20 web pages using JavaScript, JQuery, PHP, and MySQL, reducing gallery creation time by 50% and enhancing workflow efficiency.
- Optimized SQL queries with MySQL and PHP to streamline database interactions and ensure data consistency.
- Reduced operational costs by 60% through the deployment of scalable AWS cloud services, utilizing EC2 instances for resource allocation and S3 for secure data storage.

## PROJECTS

### Task Management program, Java, SpringBoot, MongoDB, Reactjs

Mar 2024

Built a task management application inspired by Trello, by utilizing RESTful API architecture and design patterns like MVC, Finite State Machine, Builder, and Singleton to establish a scalable and maintainable codebase.

### Attitune - Mood based Music Recommendation, React.js, Flask, MongoDB

Sep 2023

Architected a mood based music recommender platform, realizing a 99% enhancement in data retrieval speed and driving a 22% rise in user engagement by innovating a recommendation engine that leveraged Spotify API and OpenAI for text analysis.

### Twitter Clone Engine, C#, .NET

Dec 2022

Engineered a high-performance distributed system in AKKA using C# and .NET, focusing on multi-threading and resource utilization to manage over 10,000 users and tweets with stable performance and scalability.

## SKILLS

**Languages & Frameworks** — Python, Java, C, SQL, MySQL, .Net, C#, ASP.Net MVC, Javascript, PHP Lavarel, Next.js, React.js, TypeScript, HTML5, CSS, Node.js, JQuery, Figma, AdobeXd, REST API, JSON, ES6+, Express, Redux, Docker, Kubernetes, Containers, Figma, Abode Photoshop, Java Spring Boot, MongoDB, Postman, Angular, Jest, Selenium, Kafka, Ruby, Apache KAFKA, Reactive(RXJava), Spring, Vertex, Angular

**Tools & Technologies:** — Google Firebase, Andriod Studio, cPanel, SSL, SEO, Object Oriented Programming, Cloud Computing,Azure, Git, Analytics, JUnit testing, SDLC, Microservices, Gradle, XCode, IntelliJ, Vercel, EC2, S3, sentry.io, Cypress, Faker.js, End testing, Unit testing, Agile Methodolgy, software quality, problem-solving, SAP, Jira, Linux, ERP, B2B, ZuStand, Jersey, Geode, Elastic, HDFS, Spark, Zipkin, Kibana, Terraform