Rahul Manjunath Pudurkar

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EDUCATION

Syracuse University | *Master of Science, Computer Science (3.6/4)* | *Syracuse, NY*   **August 2023 - May 2025**
Courses: Algorithms, Mobile App Programming, Machine Learning, Databases, Data Mining, Operating Systems, Object-Oriented Programming

University of Mumbai | *Bachelor of Engineering, Computer Engineering (3.4/4)* | *Mumbai, India*   **August 2017 - June 2021**
Courses: Software Engineering, System Design, Cloud Computing, Data Structures, Artificial Intelligence, Distributed Systems

TECHNICAL SKILLS

Programming Languages: Java, C, C++, Python, JavaScript, SQL, HTML, CSS, Haskell, TypeScript, XML
Frameworks & Libraries: ReactJS, Redux, jQuery, Node.js, Express.js, Matplotlib, Scikit-Learn, NLTK, Regression, XGBoost, OpenCV, TensorFlow, PyTorch, Flutter, Swift UI, Android, iOS, Spring Boot, Ionic, Apache Cordova, Jest
Software Tools: Git, RASA AI, AWS, Android Studio, PyCharm, IntelliJ IDEA, Postman, Vercel, Google Analytics, Xcode
Databases: MongoDB, PostgreSQL, MySQL, SQLite, NoSQL, MongoDB, Amazon S3, Google Firebase, SQL Server
Other: Docker, Kubernetes, Stripe, JIRA, Figma, Adobe XD, Wireshark, CI/CD Pipelining, REST APIs, Unity, Linux

PROFESSIONAL EXPERIENCE

Software Developer Intern | *Clutch Delivery LLC* | *Syracuse, USA*   **December 2023 - August 2024**
- Restructured Clutch Delivery's framework to address performance bottlenecks and scalability issues, optimizing Node.js and Express.js, improving API performance, reducing response times by 45%, and cutting infrastructure costs by 15%
- Developed a scalable backend architecture using MongoDB, integrating AWS S3 and Amazon RDS to ensure secure storage and database scaling, supporting 300% user growth while maintaining 99.9% uptime
- Spearheaded Redux for state management to reduce server dependencies, enhancing the MERN stack integration, cutting server calls by 35%, and reducing load times by 70% with WebSockets for real-time updates
- Automated CI/CD pipelines with Vercel, addressing deployment inefficiencies, reducing deployment time by 60%, and improving DevOps operations while cutting maintenance costs by 20%
- Conducted a scalable UI/UX transformation using React.js, Tailwind CSS, and Figma, improving system responsiveness and lowering latency by 50%, resulting in 30% higher user engagement and 32% revenue growth
- Strengthened security measures to mitigate vulnerabilities by implementing JWT authentication, OAuth 2.0, and event-driven architecture, reducing unauthorized access attempts by 40% and improving overall security
- Coordinated and managed all technical development as the tech lead, coordinating with clients and cross-functional teams, mentoring junior developers, and ensuring on-time delivery and alignment with project goals
- Achieved 95% coverage with Jest-based TDD, reducing bugs by 40%, accelerating deployments by 30%, and leveraging analytics to refine user recommendations and boost database performance by 55%

Software Engineer | *Dure Technologies* | *Mumbai, India*   **July 2021 - June 2023**
- Pioneered the development of 'iMonitorPlus', a full-stack mobile and web app using React Native, Apache Cordova, and MongoDB, enabling real-time data collection for 35+ countries and increasing revenue by 16%
- Built and trained a RASA AI-powered voice assistant with 2k+ keywords for TB management, supporting 40k+ health workers, saving $150K annually by automating responses and optimizing workflows
- Optimized app performance by 50%, reduced app size by 72%, and improved scalability with asynchronous operations, lazy loading, and code refactoring, enhancing user experience by 35%
- Led cross-functional teams and facilitated client meetings to ensure stakeholder alignment and successful project delivery, improving team collaboration and efficiency
- Orchestrated multi-architecture with RBAC, integrating D3.js and Google Analytics for advanced data visualization, supporting 5k+ users, and improving decision-making efficiency by 40% while ensuring secure access

PROJECTS

Task Management System | *Java, Spring Boot, MVC, MongoDB, Gradle, RESTful APIs, ReactJS*   **October 2024 - November 2024**
- Designed a Java backend with MongoDB, optimizing CRUD operations and APIs for 60% faster retrieval, 50% lower response times, and 99.9% uptime, cutting server overhead by 40%
- Implemented a React frontend with RESTful API integration for real-time task updates, improving UI responsiveness by 60% and reducing latency by 50%, creating a Trello-inspired interface with 35% higher user satisfaction

FoodPunk Mobile Application | *Flutter, Firebase, Dart, Stripe Payment Gateway*   **March 2024 - April 2024**
- Built a cross-platform food delivery app using Flutter, Firebase, and Stripe API, enabling real-time tracking, secure logins, notifications, and seamless payments, boosting engagement by 40% and reducing queries by 30%
- Streamlined UI performance with Dart async programming, added lazy loading, caching, and Flutter widgets, increasing response speed, reducing load latency by 45%, and boosting user retention by 25%