RAJAT KUMAR PARIDA

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**SUMMARY**

Full Stack Developer with 4+ years’ experience delivering end-to-end web and mobile platforms. Adept in React, Angular, .NET Core, FastAPI, cloud-native solutions, and DevOps. Specializes in REST API development, ML integration, test automation, and cross-functional Agile collaboration. Recognized for delivering scalable, user-centric features with measurable business and system impact.

**PROFESSIONAL EXPERIENCE** 

**Graduate Teaching Assistant - Swipe-In Student App**

*Midwestern State University, Wichita Falls, TX Jan 2025 – May 2025*

* Architected and launched a production-grade dining management platform serving thousands of users, leveraging React Native, FastAPI, and SQL Server on DigitalOcean.
* Built robust asynchronous REST APIs for meal swipe/Flex Dollar transactions, improving performance and ensuring data consistency.
* Integrated an LSTM-based ML forecasting engine (Keras/TensorFlow, 96% accuracy) for predictive analytics and dynamic resource planning.
* Designed modular frontend/UI; implemented responsive layouts and intuitive user flows.
* Equipped app with comprehensive error handling, improved code maintainability, and optimized system for high uptime.
* Automated API validation/testing with Postman and built CI/CD workflows for frictionless deployment.
* Championed code reviews, documentation, and Agile sprint planning, helping onboard junior collaborators.

**Graduate Teaching Assistant - Heart Attack Prediction Project**

*Midwestern State University, Wichita Falls, TX Aug 2024 – Dec 2024*

* Developed a predictive health analytics component—a logistic regression model (scikit-learn) with 97.1% accuracy on 10,000+

Records integrated into a software solution for student wellness programs.

* Led full-stack integration of model outputs into user dashboards, visualizations, and feedback workflows.
* Enhanced model precision by 22% via advanced EDA and continuous feature improvement.
* Led demo sessions for stakeholders, collected feedback, and iterated on UI/UX for actionable healthcare user insights.

**Software Engineer**

*Cognizant Technology Solutions, India Aug 2021 – Jul 2023*

* Managed full SDLC of multiple client-facing .NET applications, enhancing backend performance and code quality through extensive refactoring and peer review.
* Triaged and resolved over 100 ServiceNow incidents weekly (P1–P4), reducing P3–P4 resolution times by 40% and significantly improving operational SLAs.
* Diagnosed production issues via Splunk, Auth0, and SQL Server analysis, leading to rapid turnaround for high-priority support tickets.
* Automated and expanded NUnit unit tests for core modules, resulting in 98% defect prevention prior to releases.
* Coordinated with DevOps to implement deployment scripts (Docker, Azure) and monitoring solutions for 24/7 production reliability.
* Maintained detailed process and support documentation using Jira and Confluence, ensuring knowledge continuity.

**Programmer Analyst**

*Cognizant Technology Solutions, India Feb 2021 – Jul 2021*

* Designed and delivered a web-based Library Management System (ASP.NET Web API, Angular, SQL Server), from requirements gathering to deployment.
* Automated late-fee calculations and improved system workflows, accelerating sprint deliveries by 40%.
* Developed and rolled out RESTful microservices in ASP.NET MVC on Azure, maintaining 99.9% uptime through proactive Splunk monitoring and system tuning.
* Collaborated with cross-functional teams to create and execute test plans, ensuring smooth release cycles.

**TECHNICAL SKILLS**

* **Programming:** Python, C#, JavaScript/TypeScript, SQL
* **Frameworks:** .NET Core, FastAPI, Angular, React Native, Node.js, Entity Framework, WebApi
* **Cloud/DevOps:** Azure, AWS, DigitalOcean, Docker, Git, CI/CD (GitHub Actions, Azure DevOps), Microservices
* **Testing:** NUnit, Postman, Unit/Integration Testing
* **Monitoring/Tools:** ServiceNow, Splunk, Auth0, Jira, Visual Studio, Tableau, Power BI
* **AI/ML Technologies**: TensorFlow, Keras, Scikit-learn, LSTM, CNN, DNN
* **Development Practices**: Agile, OOP, Data Structures and Algorithms, Microservices, RESTful APIs, GraphQL

**EDUCATION**

**Master of Science, Computer Science**

*Midwestern State University, Wichita Falls, TX Aug 2023 – May 2025*

* **GPA:** 3.82/4.0
* **Coursework:** Advanced Software Engineering, Algorithm Analysis, Data Science, Artificial Intelligence, Computer and Network Security, Mobile App Development, Human Computer Interaction, Unix/Linux, Advanced Operating Systems

**Bachelor of Technology, Computer Science Engineering**

*Bachelor of Technology, Electronics and Communication Engineering Jul 2017 – Aug 2021*

* **GPA:** 8.5/10
* **Coursework:** Algorithms and Data Structures, Databases, Computer Architecture