

PRACHI KOTADIA

Chicago, USA | iprachikotadia@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Illinois Institute of Technology, Chicago, IL <i>Masters in Computer Science</i>	Aug 2023 - May 2025
Charotar University of Science and Technology, Gujarat, India <i>Bachelor of Technology in Electronics and Communication Engineering</i>	Aug 2019 - May 2023

SKILLS

Programming : Python, GitHub, Postman

Backend: AWS Lambda, DynamoDB, API Gateway, AWS SAM, Boto3, CRUD, Auto Scaling.

Frontend: React.js, JavaScript, HTML, CSS, REST API, State Management.

Cloud: AWS CLI, DynamoDB Indexing, NoSQL, Cloud (AWS), CloudWatch.

PROJECTS

Expense Management System - Full-Stack Web Application LINK	Jan 2025 - Present
<ul style="list-style-type: none">Scaled to 1000+ employees, driving a 20% reduction in company-wide expense overheadsEnabled 30% data growth with 25% faster query latency using DynamoDB Auto ScalingBuilt interactive dashboard (React, JS, HTML, CSS) with real-time charts, improving decision speed by 35%. Architected serverless backend with AWS Lambda + CloudWatch, increasing uptime reliability to 99.9%	

GitHub Analytics & Software Project Manager Platform LINK	Jan 2024 - Feb 2024
<ul style="list-style-type: none">Flutter-based gamified dashboard, reducing login failures by 98% and raising weekly active users by 40%Powered multiplayer mode using WebSockets, improving session duration by 60%. Implemented secure RESTful backend, enabling stable session control and authentication across 100% of routes	

Battleship App Using Flutter And Dart LINK	Oct 2023 - Nov 2023
<ul style="list-style-type: none">Achieved 100% spec delivery with gameplay logic, user auth, and multiplayer vs AI/human opponentsIntegrated RESTful API via http package, enabling async control across all user actions and reducing UI lag by 45%Delivered seamless UX across Android, iOS, and macOS through full responsive design and layout testing	

Task Manager – Full-Stack Microservices Web App LINK	Oct 2023 - Nov 2023
<ul style="list-style-type: none">Launched modular task platform with FastAPI + PostgreSQL backend, improving workflow efficiency by 60%. Designed JWT-based auth system, reducing breach attempts by 90% across login/signup endpointsIntegrated async microservice calls using httpx; deployed API on Render and frontend on Vercel with 99.9% uptime	

EXPERIENCE

Research Assistant – Microservices Benchmarking <i>Illinois Institute of Technology, Chicago, Illinois</i>	Apr 2025 - Present
<ul style="list-style-type: none">Conducted performance benchmarks on 5+ languages, improving cross-language runtime insight by 40%Migrated microservices to Rust and Go, lowering memory footprint by 35% through system-level tuningIncreased throughput by 30% using async task refactor, profiling tools, and load testing	

Web Developer Intern <i>GroupedIn, New Jersey, United States</i>	Sep 2024 - Dec 2024
<ul style="list-style-type: none">Designed modular UIs with React, HTML, and CSS, improving dev cycle time by 25% via reusable componentsIntegrated Redux for scalable state control; ensured cross-browser compatibility with 0 regression bugs post-QA. Optimized performance by 20%, reducing load times under 1.5s through code splitting and preloading assets	

Software Developer Intern <i>GroupedIn, New Jersey, United States</i>	Jun 2024 - Aug 2024
<ul style="list-style-type: none">Flutter app deployed to Play Store & App Store; achieved 100% compliance with Apple/Google guidelinesIntegrated Firebase auth and RESTful APIs to handle over 5k secure user sessions with 0 reported breaches. Streamlined navigation and layout logic, raising session duration by 30% through intuitive UX design	

CERTIFICATIONS

- Google Crash Course on Python [LINK](#)
- Amazon DynamoDB Service [LINK](#)
- Google UX Design Professional Certificate [LINK](#)
- Google Technical Support Fundamentals [LINK](#)
- Google Foundations: Data, Data, Everywhere [LINK](#)