

KOUNDINYA PIDAPARTHY

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EDUCATION

Pace University

Master of Science in Computer Science GPA: 3.95/4

Coursework: Data Structures and Algorithms, Machine Learning, Data Science

Sep 2023 – May 2025

New York, NY, USA

WORK EXPERIENCE

City Experiences

June 2025 – Present

Software Engineer | ReactJs, Redux, NodeJs, Aws, Agile, JIRA

- Developed and deployed a face-liveness verification system using AWS Rekognition to detect real users, store biometric data securely, and stop profile misuse.
- Created automated check-in workflows using face recognition to match bookings and speed up customer entry
- Integrated Stripe payments including direct bank debit and Paze for secure payments and refunds.
- Developed API integrations with Redeem, Octo, Expedia, and Groupon to sync bookings and grow partner sales.

City Experiences

May 2024 - Sep 2024

Software Engineering Intern | Java, Node.js, React.js, AWS, Maven, Amazon One SDK, Linux

- Built a Java-based service that connected Amazon One palm scanning with turnstile systems, enabling secure and contactless access control.
- Set up and maintained the Amazon One integration service on Linux servers using shell scripts to automate startup and ensure reliable performance in production.
- Worked with cross-functional teams to manage code using Git and implement CI/CD pipelines for smooth and consistent software updates.

Hornblower Group

Aug 2022 - Jul 2023

Software Engineering | ReactJS, GraphQL, AWS, NodeJs

- Built a scalable ticketing platform using NodeJs, Express, and React to support high-traffic services like NYC Ferry and Niagara City Cruises.
- Improved checkout performance, cutting page load time to under 3 seconds by optimizing React components and GraphQL data calls.
- Created reusable React components, reducing new feature build time by 25% and cutting the codebase size by 30%.

Syscloud Technologies

June 2021 – June 2022

Engineering Intern | C++, PostgreSQL, Redis, Docker, Kubernetes, PowerBI

- Built a PostgreSQL database and a C++ ETL pipeline to manage training data, improving data processing speed by 40%.
- Developed a training request system for 2500+ employees, deployed with Docker and Kubernetes, and created PowerBI reports, increasing employee engagement by 35%.

PROJECTS

Uspark And MediSeg | NextJs, Redux, Node.js, Swagger API, MongoDB, Machine Learning, LangChain

- Developed a medical chatbot leveraging a custom-trained Machine Learning model to provide automated health-related responses, integrated seamlessly with a ReactJS frontend and Redux state management.
- Built MediSeg, an image segmentation tool that detects and highlights abnormalities in medical images, providing clear error visualization for users and doctors.

Word-guessing game | ReactJS, Aws CDK, SDK, DynamoDb, Serverless API

[Demo](#)

- Implemented a word-guessing feature for the Wordly game using API Gateways that interfaces with AWS Lambda functions for backend operations, enabling read and write operations in AWS DynamoDB based on user input.
- Stored user inputs in a centralized Redux storage system and managed frontend logic using React, allowing users to input words between 5 and 8 letters with an additional chance to guess the correct word.

SKILLS

Expertise: Fullstack, Automations, Scrapers, LLMs, RAG, Backend, Frontend, Microservices, Machine Learning

Languages: TypeScript, JavaScript, HTML, CSS, SQL, Python, Java, C++, Go, GraphQL, Kotlin, Swift

Software: Next.js, LangChain, OpenAI, Flask, React, Angular, Node.js, Redux, MongoDB, Redis, Postgresql

Infrastructure: Docker, Kubernetes, Linux, Jenkins, Git, Agile, Scrum, Postman, Selenium, GCP, TensorFlow