

# ANKITH REDDY PATI

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## EDUCATION

**Master of Science in Information Systems** | Northeastern University, Boston, USA

**Expected Dec 2024**

**Relevant Courses:** Application Engineering & Development, Object Oriented Design, Web Design & User Experience engineering, Data Structures & Algorithms, Networking & Cloud Computing, Agile Software Development, Operating Systems

## TECHNICAL SKILLS

**Programming Languages :** C/C++, Java, JavaScript, Python

**Database:** MySQL, MongoDB, Cassandra, PostgreSQL, MS SQL Server

**Web:** HTML5, CSS3/SCSS, Tailwind CSS, ReactJS, NodeJS, Angular, Flask , REST, GraphQL

**Cloud Technologies:** AWS, GCP, Azure, Jenkins, Docker, Terraform, Pulumi, Packer

**Tools & Technologies:** Grafana, Selenium, Git, shell scripting, Jira, CI/CD Pipeline, Integration Testing

## ACADEMIC PROJECT

**Cloud Native Application** (*NodeJS, Sequelize, Pulumi, MySql, HCL, AWS*)

[GitHub](#)

*(Developed a scalable cloud-based web application, leveraging Infrastructure as code for assignment creation and submission)*

- Instituted IAM roles, VPC, EC2 instances with dynamic scaling and ELB. Enhanced deployment with Cloudwatch monitoring
- Automated CI/CD workflows using GitHub Actions, covering integration tests, format checks, AMI updates and auto scaling refreshes
- Established RDS, custom DNS with Route 53, log metrics, SNS for lambda triggers, email alerts and DynamoDB for status tracking.

**Food Donation App** (*Java, Spring Boot, Spring MVC, JSP, MySQL*)

[GitHub](#)

*(Developed a Spring MVC web application with 8 user roles under 4 organizations, enabling inventory update and delivery tracking )*

- Refined user experience by implementing comprehensive CRUD operations for multiple roles facilitating cross organizational requests
- Embedded JavaMail to interact with users and Google Maps for precise location tracking improving operational efficiency

## PERSONAL PROJECTS

**Cashehe** (*ReactJS, NodeJS, SCSS, Firebase*)

[Website](#) [GitHub](#)

*(Formulated Personal Finance tracking app providing a robust full-stack solution built to manage my budget efficiently.)*

- Engineered a serverless architecture on Firebase for user authentication, data storage , hosting and function executions
- Incorporated retrieval of financial transactions through scheduled Cloud functions using Plaid API for real-time access and analysis.

**Gre Flashcards** (*C, Pebble Sdk*)

[Appstore](#) [GitHub](#)

*(Launched GRE vocabulary app for pebble wearable smartwatches, featuring interactive flashcards to enhance GRE exam preparation)*

- Achieved state management using persistent storage API , ensuring user progress is saved and restored between app switches
- Optimized UI to accommodate all watch models , delivering a friendly and minimalistic design that enhances learning experience

**Scribe Sync** (*Javascript, Pulumi, Google Apps Script*)

[GitHub](#)

*(Originated Serverless app to automate the synchronization of kindle scribe notes into Notion, boosting my note-taking workflow)*

- Designed event-driven architecture, using AWS services by utilizing API gateway for event management and S3 for storage
- Implemented google apps script for real time email scanning, AWS lambda function to integrate with Notion's API for PDF transfer

## PROFESSIONAL EXPERIENCE

**Amazon, Hyderabad** (*Transaction Risk Investigation Specialist*)

**Apr 2022 - Aug 2022**

- Analyzed over 5000 transactions, employed python scripts to compute thresholds and metrics boosting operational efficiency by 20%
- Designed a Javascript based browser extension, reforming transaction information extraction reducing average takt time by 15%
- Excelled in customer and financial institution interactions, enhancing risk decision-making, safeguarding Amazon against frauds.

**Amazon, Hyderabad** (*Machine Learning Data Associate*)

**Dec 2018 - Feb 2021**

- Spearheaded initiatives to enhance SOP's and collaborated with cross functional teams resulting in a 5% decrease in defects
- Ensured 99% accuracy rate in all the project deliverables through meticulous data validation and quality control methodologies
- Steered innovative process improvements by utilizing kanban boards, effectively collaborating with program managers and stakeholders

## LEADERSHIP AND ACTIVITIES

- Volunteered at Crypto Relief, instrumental in handling over \$1 billion for covid-19 relief, focusing on procurement, resource validation, urgent aid coordination, Invoice processing, and data management using Airtable

**Mar 2022 - Apr 2023**

- Led a team to victory that Secured first place in Ethereum blockchain hackathon, for innovatively using sponsor technology of Alchemy for [Credfi](#) (React, Solidity, EtherJS, TailwindCSS, Polygon testnet)

**Feb 2022 - Mar 2022**