ANKITH REDDY PATI

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SUMMARY
A Finance graduate embarking on a transformative journey into the world of Software Engineering. Committed to ongoing education and skill development. Drawing from my past experiences, I eagerly embrace challenging roles to apply my evolving skills, fostering a path of continuous improvement in this ever-evolving field.

EDUCATION
NORTHEASTERN UNIVERSITY, Boston, MA, USA   **Expected Dec 2024**
College of Engineering, Master of Science in Information Systems
Relevant Courses: Application Modeling & Design, Application Engineering & Development, Web Design & User Experience Engineering, Data Structures & Algorithms, Networking & Cloud Computing, Agile Software Development

SKILLS
Programming Languages: Java, JavaScript, Python, Pulumi   **Database Management Systems:** MySQL, MongoDB, Postgres
Web Development: HTML, CSS/SCSS, React.js, Node.js.   **Tools:** AWS, GCP, Git, Docker, Shell scripting

EXPERIENCE
Amazon Hyderabad, India   **Apr. 2022−Aug. 2022**
Transaction Risk Investigation Specialist
- Utilized advanced data analysis techniques to investigate over 5000 transactions, identifying key patterns and anomalies. This process honed my analytical skills, crucial for debugging and optimizing software systems.
- Enhanced SOP's contributing to a 15 % increase in fraud detection efficiency and collaborated in enhancement of fraud detection tools, gaining experience in how software applications can be leveraged to improve business processes.

Amazon, Hyderabad, India   **Dec. 2018−Feb. 2021**
Machine learning Data Associate
- Engaged in a pivotal Nike pilot program, performing critical video and image tagging to capture interaction data for Amazon Robotics, bolstering the stowing efficiency of Amazon kiva robots in fulfillment center by 20%.
- Led detailed analytical sessions aimed at augmenting data-driven insights resulting in 10% improvement in data accuracy, thus substantially improving process efficiency and fostering potential advancements.
- Leveraging my expertise as a Subject Matter Expert, spearheaded training sessions on changes in SOP's, utilizing Kanban boards to facilitate seamless transitions and optimize workflow management for the team.

DST Systems, Hyderabad, India   **Dec. 2017−May. 2018**
Associate Investor Services|
- Managed over 10,000 financial transactions for BlackRock as a third-party financial transaction processor, encompassing account openings, purchases, redemptions, asset transfers, systematic withdrawal plans and ACH transactions.
- Ensured 99.8% accuracy in transaction postings on the mainframe systems and audited high-value transactions, leading to 20% reduction in audit discrepancies among the team.
- Led a team of 15 associates to effectively handle Day 2 errors, delivering targeted training sessions that culminated in achieving a zero-defect rate.

ACADEMIC PROJECT
- Developed a RESTful web application with NodeJS, MySQL and Sequelize (ORM), and established AWS infrastructure using Pulumi for automation.   GitHub
  - Created VPC, subnets, EC2 instances with load balancer and an autoscaling group which gets triggered by custom CloudWatch alarms. Implemented custom logs and metrics for webapp monitoring in CloudWatch.
  - Setup robust CI/CD pipelines with GitHub Actions to perform Health checks, formatting checks, AMI creation, launch template updates, and ASG integration with newly created AMI's.
  - Configured RDS, automated DNS management, and utilized an SNS Topic to trigger Lambda functions to perform GCP bucket uploads, email notification via mail gun, and email status updates in DynamoDB.
- Developed Nourish Bridge a food donation and distribution system, applying Object-Oriented programming principles for flexible and maintainable code.   GitHub
  - Implemented CRUD operations, robust class design and form validations for seamless data management.
  - Designed Admin panel for efficient entity management, incorporated email notifications and maps.
  - Streamlined stock management, donation requests, and volunteer coordination through a user-friendly registration system.

LEADERSHIP AND ACTIVITIES:
- Secured first place and a 500 USD prize in Ethereum India 2021 hackathon, leveraging sponsor technology Alchemy for CREDFI.
- Attained CA foundation, and IT training certification from Institute of Chartered Accountants of India.
- Dedicated over a year as Crypto Relief volunteer, rigorously validating sources, addressing urgent aid requests and meticulously curating deployment data using Airtable for analytics and future audits.