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Tharun Reddy Mamillapally

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PROFESSIONAL SUMMARY

- A results-driven software developer with a Masters in Computer Science from Northern Arizona University (class of 2023), actively seeking full-time opportunities.
- Proficient in Java, JavaScript, and Python with a strong background in full-stack development and cloud technologies.
- Skilled in distributed technologies, large-scale data structures, AWS, Google Cloud Platform.
- Proven track record of enhancing fraud detection and collaborating effectively in cross-functional teams.

TECHNICAL SKILL SET

- **Programming Languages:** Java, JavaScript, Python, HTML5/CSS3, Node.js, C, C++, Bash scripting, SQL, MongoDB.
- **Technologies and Frameworks:** AWS, Google Cloud, Terraform, CI/CD, Bootstrap, Kubernetes, ReactJS, AngularJS, Express.js, Git, GitHub, Docker, Agile methodologies, JIRA.

EDUCATION

Northern Arizona University　　　　　　**Flagstaff, AZ**　　　　　　**Aug 2022 – Dec 2023**
- **Master of Science in Computer Science**, CGPA: 3.3/4
- **Key Courses:** Blockchain, Advanced Computer Graphics, Large-scale Data Structures, Applied Business Intelligence , Network Security , Modern Regression , Intro to Quantum computing ,Data warehousing , Predective Analysis for Business Web Technology .

SRM Institute of Science Technology　　　　　**Chennai, India**　　　　　　**Jul 2014 – Nov 2019**
- **Bachelor of Technology in Computer Engineering**, CGPA: 3.5/4

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant　　　　　**Northern Arizona University**　　　　　　**Jan 2023 - Present**
- Collaborated with professors to design and deliver engaging curriculum materials for Applied Business Intelligence , fostering active learning and critical thinking among students.
- Assisted in the development of course assessments, including exams and assignments, and provided prompt, detailed feedback to students, contributing to a positive learning environment and helping students achieve their academic goals.

Transaction Risk Investigator　　　　　**Amazon Development Center, India**　　　　　　**Sep 2020 - Jul 2022**
- Spearheaded projects to enhance fraud detection, contributing to a significant reduction in fraud.
- Collaborated with cross-functional teams, investigating fraud cases, ensuring policy compliance, providing reports, and possessing strong analytical and communication skills.
- Managed a caseload of 100 cases with a target of 75, consistently meeting or exceeding IPH (Investigations Per Hour) goals.

Software Developer Intern　　　　　**Hewlett Packard, India**　　　　　　**May 2017 - Jul 2017**
- Java programming | Kotlin | Full stack Web development (MERN) | Raspberry programming | Nest Js | REST Api.
- Documented and tested new software applications.
- Worked with HP's Personal Systems Innovation Team on a variety of proofs of concept development activities related to future technologies, work styles, and experiences.

PROJECTS

Trust-based Social Network　　　　　**SRM University**　　　　　　**Jan 2019 - Dec 2019**
- Developed a trust-based mechanism for collaborative privacy management on online social networks.
- Formulated the problem as a multi-armed bandit problem and applied the upper confidence bound policy for optimal solutions.

COVID-19 Chatbot Initiative
- Created an automated chatbot for COVID-19 inquiries using WhatsApp API, Rasa, and Twilio.
- Integrated with WhatsApp using Twilio and Ngrok, managing a high volume of daily user interactions.