

Anamika Rajendran

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EDUCATION

New Mexico State University

Master of Science, Computer Science (CGPA: 3.9)

Las Cruces, New Mexico

Graduation Date: Dec 2024

Kerala Technological University

Bachelor of Technology, Computer Science Engineering (CGPA: 8.9)

Trivandrum, Kerala, India

Graduation Date: Jan 2019

RESEARCH EXPERIENCE

New Mexico State University

Graduate Research Assistant

Las Cruces, New Mexico

Jan 2023 - Apr 2024

- Implemented a **deniability** feature in a messaging app, offering users a first-ever hands-on experience.
- Developed a comprehensive research methodology, including survey design and pilot interviews, completing the project ahead of schedule.
- Analyzed responses from 40+ users, uncovering key trends in the practical applications and limitations of deniability in secure messaging.
- Evaluated the deniability feature using the **System Usability Scale**, achieving a score of 70, indicating high usability and effectiveness.
- Authored a research paper in **LaTeX**, demonstrating technical proficiency and adherence to formatting standards.

Graduate Research Assistant

May 2024 - Present

- Collaborated with a team of researchers to independently classify **smart-grid cyberattack** events by analyzing news articles, ensuring unbiased classification through group discussion and consensus.
- Identified and analyzed 263 cyberattack events, with 124 relevant to smart grids, providing insights into the frequency and nature of attacks on critical infrastructure.
- Utilized a taxonomy-based framework to systematically categorize smart grid devices and the associated cyber threats, contributing to improved defensive strategies.

Kerala Technological University

Senior Project

Trivandrum, Kerala, India

Jan 2018 - Jan 2019

- Collaborated with a team of 4 to integrate a **Weka**-based **Python** machine learning model into a user-friendly app, trained on 1,000+ recruitment questions.
- Enhanced student performance by 20% in mock interviews through actionable feedback.
- Evaluated model performance through extensive testing, achieving an accuracy rate of 85% in assessing and providing feedback, with iterative refinements improving feedback precision.

PUBLICATIONS

- Anamika Rajendran, Tarun Kumar Yadav, Malek Al-Jbour, Francisco Manuel Mares Solano, Kent Seamons, Joshua Reynolds, Deniable Encrypted Messaging: User Understanding after Hands-on Social Experience, EuroUSEC Conference 2024, Sweden
- Aishwarya P R , Anamika , Ganga V M , Kamarunnisa K A, 2019, Placement Training using Machine Learning, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) Volume 08, Issue 06 (June 2019)

ACHIEVEMENTS

New Mexico State University

Presentation and Teaching

Las Cruces, New Mexico

- Secured *second prize* in a 3-minute Lightning Talk among 20 participants during Research Creativity Week.
- Secured *second prize* in oral presentation among 35 participants during Research Creativity Week.
- Secured *Best TA award* in the computer science department, Fall 2023.

SKILLS

Skills: Python, Java, HTML, CSS, Typescript, SQL, NoSQL(MongoDB).

**Tools and
Frameworks**

: Angular, React, ChakraUI, Bootstrap, Wireshark, LaTeX, AWS EC2, AWS S3, Hadoop.