JONATHAN RAJ, KATIKALA

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EXPERIENCE

Graduate Assistance | **State University of New York Polytechnic Institute** | Utica, NY   (Feb 24 — May 24)
- I guide the students through the semester with their projects and paperwork, my role is to explain how real-world algorithms make AI a reality.

Web Developer | **Multiplier AI Solutions** | Hyderabad, TG   (May 22 — Aug 22)
- Design and modify webpages for hospital and doctor's portfolios on clients requests to make them more responsive.
- My role is Full stack developer, I use front-end development tools, Frameworks & Libraries, APIs and databases.

Web Development - Intern | **Verzeo** | Remote   (Sep 20 — Nov 20)
- Build a responsive webpage, used only front-end development tools. which is publish though pages in Github.

Hackathon 1.0 | **Sri Indu College of Engineering and Technology** | Hyderabad, TG   (Jan 22 — Jan 22)
- Research on implementing crash-detecting sensors in vehicles which enriched my experience on IoT sensors.
- I focused on Machine Learning models, Neural Network mechanisms and Internet of Things functions and usages.

AI Workshop | **Indian Institute of Technology Hyderabad** | Hyderabad, TG   (Aug 19 — Aug 19)
- I examined machine learning techniques through python and its methods, and its implementation in the real world.

PROJECTS

Sentiment Analysis | **State University Of New York Polytechnic Institute** | Utica, NY   (Feb 24 — Apr 24)
- Analyse the movie reviews based on the reviews of viewers, it is developed using NLP focusing on the LSTM.

Fake New Detection | **State University Of New York Polytechnic Institute** | Utica, NY   (Mar 24 — Apr 24)
- Aims to compare genuine and fabricated articles, I used advance algorithm and big data analysis using NLP.

Role Management Portal | **State University Of New York Polytechnic Institute** | Utica, NY   (Feb 24 — Mar 24)
- Webpage which defines the roles, access of an employee, I used MySQL, Web development with flask framework.

AWS Deep Racer | **State University of New York Polytechnic Institute** | Utica, NY   (Oct 23 — Dec 23)
- Aims to build ML model using RL in AWS console, which is ready to race on the track, using Amazon Sage maker.

Game using AI | **State University of New York Polytechnic Institute** | Utica, NY   (July 23 - Aug 23)
- *Prompt Engineer* : A game developed using AI, I used ChatGPT; *Resources :* GIF, Audio Track, Python Packages.

DApp | **State University of New York Polytechnic Institute** | Utica, NY   (Feb 23 — May 23)
- Enable ASC to interact with the Algorand Network, and goal is to handle credentials and block chain transactions.

Tic-Tac-Toe with Algorand | **State University of New York Polytechnic Institute** | Utica, NY   (Feb 23 — May 23)
- Generate currency with algorand dispenser and make transcations for the moves, wins and loss in the game.

Cryptography using Julia | **State University of New York Polytechnic Institute** | Utica, NY   (Mar 23 — May 23)
- It defines RSA algorithm to encrypt and decrypt information with python libraries using Julia on cryptography.

Network Security and Privacy | **State University of New York Polytechnic Institute** | Utica, NY   (Mar 23 — Apr 23)
- Developed using dynamic routing protocols and web authentication services for privacy and secured transactions.

EDUCATION

State University of New York Polytechnic Institute | **Utica, NY**   (Jan 23 - present)
- Masters of science in computer science with a concentration in Artificial Intelligence (GPA : 3.4)
- Courses : Numerical Computing, Topics in Algorithm, Computer Networks, Algorithms and Complexity, Machine Learning, Artificial Intelligence, Prompt Engineering, Database, Software Engineer.

Sri Indu College of Engineering and Technology | **Hyderabad, TG**   (Jul 18 —Jul 22)
- Bachelors of technology in Computer Science and Engineering (GPA : 3.2)

TECHNICAL SKILLS

- **Programming Languages :** C, C++, Java, Python.
- **Web Development Technologies :** HTML, CSS, JavaScript, ReactJS, Bootstrap
- **Content Management System & Data Base Management System :** WordPress & MySQL
- **Web Hosting Tools :** cPanel (control panel for web hosting), FileZilla (FTP client for transferring files)

CERTIFICATIONS

Machine Learning | https://coursera.org/share/b4a27ef96277264aa79247da3cccf075
- *Supervised Machine Learning* | DeepLearning.Ai and Stanford University | Remote
- *Advanced Learning Algorithms* | DeepLearning.Ai and Stanford University | Remote
- *Unsupervised Learning, Reinforcement Learning* | DeepLearning.Ai and Stanford University | Remote