GEETH NISCHAL GOTTIMUKKALA

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EDUCATION

Master of Science in Computer Science   **May 2025**
Arizona State University, Tempe, Arizona, United States   GPA:3.67 / 4
Bachelor of Technology in Electrical Engineering   **Jun 2020**
Indian Institute of Technology Bhubaneswar, Odisha, India   GPA: 3.08 / 4

WORK EXPERIENCE

Energy Analyst, Laboratory for Energy and Power Solutions (LEAPS)   **Feb 2024 - Present**
Arizona State University (Polytechnic Campus)   **Mesa, Arizona**
- Proficient in developing and maintaining Python codebase for energy system use cases, employing algorithms to optimize cost per unit of energy.

Operations Officer   **December 2020 - May 2023**
Indian Oil Corporation Limited   **Kadapa, Andhra Pradesh, India**
- Designed and implemented Java applications to seamlessly collect data from field equipment and RFID card readers, facilitating efficient communication with corporate servers and SAP systems for data analytics and automated load planning respectively.

Research Intern   **May 2019 - July 2019**
TATA Consultancy Services Innovation Labs   **Bhubaneswar, Odisha, India**
- Analyzed the handing over and taking over of Wi-Fi/ 5G signals and developed an Analyze and predict model using ML algorithms for smooth changeover of signals after training using various real-time datasets.

PROJECTS

Neural Network Verifiers   **Tempe, Arizona**
- Currently working on neural network verifiers and optimization algorithms at ASU.

Image Database Querying Algorithms
Arizona State University   **Tempe, Arizona**
- Developed a computer application using Stream lit GUI and various ML and fuzzy logic-based search algorithms on Caltech 101 image dataset.

Multi-Client Chat Group Interface
Arizona State University   **Tempe, Arizona**
- Developed a multi-client server model using socket programming in Java for communication amongst multiple connected clients, which also has a chat-room facility that enables communication only among a group of clients.

Interactive C-shell
Arizona State University   **Tempe, Arizona**
- Developed a Linux based Shell using C libraries and system calls it supports basic POSIX commands with piping and redirections.

LABORATORY & TECHNICAL SKILLS

- Professional: SAP, Microsoft Office Suite: Excel, Word, PowerPoint
- Technical: C/ C++, JSON, HTML, CSS, Java, Python, MongoDB, SQL, AWS, Docker, Kubernetes, Git, Data Analytics, MATLAB/ Simulink, Arduino, Linux

HONORS & ACTIVITIES

Undergrad Research Assistant   **June 2019 - November 2020**
IIT Bhubaneswar, IEEE   **Bhubaneswar**
- Published a research paper at IEEE conference with title "Estimation of Fault Location Using PPU for Bolted and Non-bolted Faults in a LVDC Microgrid"

General Secretary Science and Technology   **April 2018 - March 2019**
Students' Gymkhana, IIT Bhubaneswar   **Bhubaneswar**
- Developed and managed a website to store data for 200+ student members and their affiliated clubs.

Global Career Network   **January 2024 - Present**
Arizona State University   **Tempe**
- Active member of Global Career Network (GCN) at Arizona State University participating in various networking events organized by the club.