Ramachandra Yerramsetti

GitHub/ramchandra3101
Linkedin/Ramachandra Yerramsetti

Email : rcyerramsetti@protonmail.com
https://rcyerramsetti.com
Mobile : +1-959-232-0757

Education

- **University of Connecticut** — Storrs, CT
  Master of Engineering in Computer Science — *Aug. 2023 – Dec. 2024*
  Coursework: Machine Learning, Computer Networks, Algorithms & Complexity — *GPA: 3.2*
- **Koneru Lakshmaiah (Deemed to be) University** — Vijayawada India
  Bachelor of Engineering in Electrical and Electronics — *Aug. 2015– Jun. 2019*
  Coursework: Object-Oriented Programming(Java), C & Data Structures — *GPA:3.4(8.8/10)*

Experience

- **Full stack developer(Java)** — Jun. 2022 - July. 2023
  Tata Consultancy Services: **Java, Python, Angular, Kubernetes, CI/CD, Javascript, NodeJS** — Hyderabad, India
  - **Ticket Booking App**: Designed and implemented a web and mobile application to book online tickets for SNCB-Belgian rail using AngularJS, driving a 40% increase in user engagement.
  - **Monitoring System**: Achieved 75% reduction in monitoring time by architecting an advanced Python-based health check monitoring system for over 30 SAP production environments.
  - **Performance Tuning**: Fine-tuned system efficiency by addressing performance bottlenecks, achieving a marked decrease in execution time for over 100 background processes.
  - **Cybersecurity**: Implemented an algorithm for detecting components at risk of cyber attacks, enhancing system security by identifying vulnerabilities.
  - **Changes Movement**: Developed a streamlined process for the efficient transfer of change objects across development, testing, QA, and production environments, enhancing project agility and deployment speed by 40%.
- **Full Stack developer** — Jul. 2019 - May. 2022
  Cognizant Technology Solutions: **ReactJS, Javascript, Linux, SQL** — Chennai, India
  - **Reusable Components**: Achieved a 40% enhancement in website speed and performance across a portfolio of 10+ company websites by leveraging React to create reusable components.
  - **Web Development**: Attained 100% client satisfaction by designing website structures and page layouts that precisely met user requirements.
  - **Single page app**: Transformed a multi-page user experience into a single-page application (SPA), boosting customer engagement by 10% through seamless navigation and reduced loading times.
  - **API**: Developed app integrations using REST and SOAP APIs for features like Google Maps, social media logins, payment processors, and other services.
  - **ReactJS**: Transformed design concepts and wireframes into high-caliber code, crafting intuitive application interfaces using JavaScript within the ReactJS framework, and adhering to established workflows.
- **Software Engineer Intern** — Summer 2017 and 2018
  Axelta Systems — Hyderabad, India
  - **Internet of Things**: Developed a Python script on a Raspberry PI platform to ensure 100% data retrieval from various sensors.
  - **Cloud Dashboard**: Created a cloud dashboard for real-time data integration, processing, and analysis resulting 50% reduction in storage costs.

Projects

- **NSF Cyberinfrastructure Competition-1st Prize**: Achieved first place in the UCONN Cyberinfrastructure Competition with a cross-disciplinary team for predicting Citibike usage in Manhattan using a GRU model and GIS analysis.
- **NFL Outcome Prediction**: Crafted an ML model for NFL predictions, enhancing accuracy by 40% with enriched player data from two decades.
- **Student Mental Health Analysis**: Led a project to predict UConn students' mental health outcomes based on social media usage and facilitating support services.
- **US pollution prediction using AQI**: Developed a predictive model utilizing deep learning to forecast US pollution levels for individual counties based on the Air Quality Index, achieving a commendable 70% accuracy rate.

Technical Skills

- **Languages**: Java, Typescript, Javascript, NoSQL
- **Web Development**: Angular, Node, HTML/CSS
- **Version Control**: Git, GitHub
- **Python Libraries**: Pandas, Scikit-Learn, NumPy, Tensorflow
- **Database & Cloud**: MySQL, Oracle, MongoDB, AWS