

NANDA KISHORE KORRAPOLU

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OBJECTIVE

A Computer Science graduate student with 2+ years of professional experience in Object-oriented design, FullStack, Deep Learning, Site Reliability Engineer, RESTful APIs, Data Structures & Algorithms. Seeking full-time employment beginning in the month of Jan 2024.

EDUCATION

University of Rochester

Master of Science in Computer Science

Aug 2022 - Dec 2023

GPA: 3.7/4.0

Relevant Courses: Machine Learning, Data Mining, Deep Learning, Data Science at Scale.

Sastra University

Bachelor of Technology in Computer Science and Engineering

Jul 2016 - May 2020

GPA: 3.8/4.0

Relevant Courses: Design and Analysis of Algorithms, Artificial Intelligence, Big Data.

SKILLS

Programming Languages & Databases: Python, Java, C++, TypeScript, JavaScript, PHP, Bash, HTML, CSS, SQL, MySQL, MongoDB, PostgreSQL.

Frameworks and Libraries: Node.js, React.js, Angular.js, HDFS, Maven, Pandas, NumPy, Matplotlib, TensorFlow, PyTorch, Flask, scikit-learn, JDBC, T24.

Tools and Technologies: AWS, Datadog, Dynatrace, Jmeter, Databricks, Docker, Git, Fargate, DynamoDB, Jira, AJAX, Putty, CI/CD, Postman, WinSCP, Hadoop, Apache Spark, Bitbucket, GitHub, JBoss, WebSphere, WebLogic, TAFJ, Eclipse, Microsoft Visual Studio, macOS, Linux, Windows.

EXPERIENCE

Amazon Web Services

May 2023 - Aug 2023

Software Development Engineer Intern

Seattle, Washington

- Worked in Infrastructure Supply Chain Automation team and developed the AWS Availability Zone (AZ) Health Tool website. It is used across the AWS global data center network and enables planning users to enter risks and opportunities not captured in system-generated forecasts. Created automatic menus, buttons, tiles, announcement bar, and a footer using Python flask APIs, TypeScript, and Aurora DB. Designed theme can be easily applied to any other website; it is **reusable**.
- Enhanced user experience by implementing filter options for content display in data tables. Utilized Jquery Data tables plugin to recreate a **13-year** forecast data table. Enabled users to input and sync mitigation details with forecasted data on the website. The website holds all the **AWS Availability Zones (AZ)** data center metric information.

Temenos

Aug 2020 - Aug 2022

Software Engineer

Chennai, India

- **Product Fix and Client Support:** Proficient in product implementation, local code development, RESTful APIs, and provided production support (24x7) to financial institutions such as Komerčni Banka, Arab African International Bank, and Sea Bank. Identified and resolved bugs, by analyzing the code and providing comprehensive documentation. Categorized **2,000** client-reported defects as either core or local through real-time scenario replication.
- **Troubleshooting and Development:** Developed the code according to the client's functional requirement, tested it carefully, and delivered it on time. Developed 2 dashboards for all the internal services there by which reduced the inflow and maintained the **SLA**. Skilled in troubleshooting, debugging, and resolving issues in business applications.

Temenos

Dec 2019 - Jun 2020

Software Engineer Intern

Chennai, India

- Developed and maintained modular components for banking applications, including Customer, Accounts, and FAMS (Funds Authorization Microservices) in the T24 product. Improved system performance by reducing the load on the core T24 product through the implementation of microservices.
- Enabled seamless access to customer data, account balances, and funds transfer information for end-users. Ensured continuous updates to T24 to maintain data integrity and real-time accuracy in line with microservice records.

PROJECTS

TikTok Video Classification for Vaping Awareness - RA Prof Chenliang Xu

Sept 2023 - Present

- Leveraged TikTok's Research API to collect videos and comments with vaping-related hashtags, then cleaned and standardized the data for consistency. Extracted audio and text from videos, using **OpenAI's Whisper** for speech-to-text and **OCR** for text within videos.
- Passed the entire data along with the videos to **Video LLaMA** (13 Billion parameters) to classify it as pro-vaping or anti-vaping, contributing to vaping awareness and informed decision-making.

Citibike Station Inventory Tracking

Mar 2023 - May 2023

- Developed an end-to-end data-intensive application for tracking bike inventory and available docks at Citibike Bike Sharing stations in NYC. Implemented a medallion data development format and created an automated pipeline for Extract, Transform, and Load processes, resulting in three tables: Bronze, Silver, and Gold. Conducted Exploratory Data Analysis (EDA) on the bronze data.
- Utilized the Fbprophet model to train historical data and predict net bike changes per hour at the station. Registered the model in staging and production registries. Performed hyper-parameter tuning using MLflow experiments. Monitored staging and production models, storing the data in the gold table.

ACHIEVEMENTS

- Recipient of **30%** merit scholarship from **University of Rochester**.
- Received Spot Awards, TCCP (Temenos Certified Consultants Programmer) **GOLD certified Consultant**.
- **Dean's scholarship** - under-graduation, National Scholarship for Class 12th marks.