

EDUCATION

New York University

Masters of Science in Computer Science, GPA: **3.889/4**

Coursework: Artificial Intelligence, Big Data, Application Security

Sep 22 – May 24 (Expected)

Vellore Institute of Technology Chennai

Bachelor of Technology Computer Science and Engineering, GPA: **9.16/10**

Jul 15 – May 19

EXPERIENCE

UnitedHealth Group (UHG) | Hyderabad, India

Senior Software Engineer (Full Stack)

Jul 19 – Jul 22

- Used Big Data technologies (Spark, Hive, HBase, & Snowflake) to process the clinical data of more than 26 million members.
- Developed real-time pipelines using **Kafka Cluster** reducing data SLA from **24 hours** to **10 mins**.
- Extended system to support custom file formats, improving provider onboarding time from **weeks** to **days**.
- Improved User experience by reducing page load time by **80%** using lazy loading & compression mechanism.
- Developed and deployed intuitive UI with interactive charts (**D3.js**) web applications for 3+ ML-based Projects.
- Migrated services from Physical Machines to the **Kubernetes** platform decreasing application cost & downtime.
- Leveraged **Grafana** and **Prometheus** to implement alerting mechanisms for mission-critical processes.
- Migrated cron jobs to **Airflow** providing better logging, alerting, and retry strategies.

Software Intern

May 18 – Jul 18

- Developed a Web Application (**Angular, Node, Elastic Search**) to track metadata about several Big Data Sources sending data to UHG **Datalake** and Implemented a solution to search data using keywords in Javascript.

SKILLS

- Big Data:** Spark, HDFS, HBase, Hive, Snowflake, ETL
- Web Development:** Angular, Angular Material, Node.js, Python Flask, Flask-Restful, Flex-Layout, Bootstrap
- Databases:** MongoDB, SQL, PostgreSQL, Redis
- Deployment:** Kubernetes, Docker, Aws, Azure, Nginx, Apache HTTPd
- Programming Languages:** Python, Javascript, Java
- Others:** Tableau, Pandas, charts.js, D3.js, NLTK, StanfordNLP, git

PROJECTS

nEWAT Essay Scoring System (Collab. with Prof. Yunier P. Sarduy, Shantou University)

Aug 20 – Feb 22

- Developed a Rule-based Evaluation Engine (**Python**) to grade a 5 Paragraph Issue Essay on multiple rubrics.
- Leveraged Constituency Parser from **StanfordNLP** to classify sentence structure (Simple, Compound, Complex).
- Developed a Web Application for the same in **Angular** to be used by graders and students.
- Deployed the project to the **AWS EC2** instance.

Teeka - Healthcare Ecosystem

Oct 17 – Nov 18

- Developed a Web App (Angular) & Android App (Nativescript) to track vaccines using a govt-issued unique ID.
- Developed for “**Open Gov Data Hack**” – a national-level hackathon organized by National Informatics Centre (NIC), India.
- Developed a standalone version of the app as well for offline users.

AWARDS & ACTIVITIES

- Won the **1st Prize** in “**Open Gov Data Hack**” **2018** – a national-level competition organized by NIC, India.
- Won best project award in **TARP Expo’18** VIT Chennai.