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KASI VISWANATH VANDANAPU

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EDUCATION

San Francisco, CA	Northeastern University	Jan 2022 – Dec 2023
<ul style="list-style-type: none">• Candidate for a Master of Science in Computer Science. CGPA:3.9/4.0 (Expected)• Selected as a Research Assistant due to exceptional talent, as recognized by the instructor.• Graduate Coursework: Algorithms; Human Computer Interaction; Machine Learning; Natural Language Processing; Programming Design Paradigms.		
Bangalore, India	Amrita School Of Engineering	Jun 2015 – May 2019
<ul style="list-style-type: none">• Bachelor of Technology in Computer Science and Engineering. CGPA:8.8/10.0• Undergraduate Coursework: Algorithms; Databases; Big Data Analytics; Parallel and Distributed Computing; Machine Learning and Data Mining.		

SKILLS

- Language: Python; JavaScript; C; HTML; CSS; Java; Bash.
- Frameworks: React; Apache Spark; Apache Airflow; Express; Cypress; Selenium.
- Databases: MongoDB; Cloud Firestore; MySQL.
- Certifications: Smart Analytics, Machine Learning, and AI on GCP, Building Batch Data Pipelines on GCP.

EXPERIENCE

Research Assistant	Northeastern University	May 2022 – Present
<ul style="list-style-type: none">• Building a tool, List Curator, to improve data management efficiency for users, including features such as cross-filtering and hierarchical filtering using SCRUM methodology and HCI design principles.• Evaluating effectiveness of List Curator using DuckDB-Wasm, Sql.js, and Arquero as benchmarks.		
Specialist Programmer	Infosys	May 2019 – Dec 2021
<ul style="list-style-type: none">• Built, deployed, and monitored batch data pipelines using Apache Spark, Apache Airflow and GCP services.• Optimized spark jobs runtime by 30% and clusters memory usage by 15% by incorporating window functions.• Implemented Event-driven architecture for day-to-day pipelines to improve efficiency and scalability.• Provided Spark development service to clients such as Levi's, Kraft Heinz, and Health care service corporation.• Promoted from system engineer specialist to specialist programmer due to outstanding performance.		
Software Developer, Intern	Vega Innovations (For Health Edge Inc.)	Feb 2019 – May 2019
<ul style="list-style-type: none">• Built and tested microservice applications using tools such as Spring Boot, Hibernate and Apache Maven.• Recognized as a skilled developer, leading to opportunity to join company as a full-time employee.		

PROJECTS

- **Combinatorial Optimization** (Fall'22). Trained neural network with reinforcement learning on G-Mission dataset and achieved 87% optimality ratio on online bipartite matching. ML, PyTorch
- **Apartment Finder** (Fall'22). Designed a web application which enables users to find apartments and share shortlisted options with friends and family for feedback. HCI, Figma
- **Hate Speech Detection** (Summer'22). Developed a text classification dashboard for identifying hate and offensive speech, and subsequently published it on the Observable platform. NLP, Pyodide

PUBLICATION

- **Author:** Vandanapu kasi. Hadoop and Natural Language Processing Based Analysis on Kisan Call Center (KCC) Data; 2018 International Conference on Advances in Computing, Communication, and Informatics.