Aakriti Kedia

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Education

University of California, San Diego   **Sept 2022 - June 2024**
Master of Science, Computer Science   **CGPA 4.0/4.0**

Birla Institute of Technology, Mesra, Ranchi, India   **July 2016 - July 2020**
Bachelor of Engineering, Information Technology (Gold Medalist; Smart India Hackathon finalist)   **CGPA 9.2/10**
Student organizations: Technical member at IEEE; Executive member at National Service Scheme

Technical Skills

- Data Structures, Algorithms, OOP, Distributed systems, Databases, Operating Systems, Docker, Kubernetes
- Go, Java, Python, Flask, APIs, SQL, Linux, C++, Splunk, Grafana, Kafka, Hadoop, Hive
- Artificial Intelligence, Machine Learning, Deep Learning, Data Science

Professional Experience

Software Engineer 2, Walmart Global Tech, Bangalore, India   **August 2020 - August 2022**
Transactional Emails (Java, Cassandra, Memcached, Postman APIs, Tempo CMS, Kafka)
- Spearheaded personalized banner feature with a 95% CTR in the first release
- Built CMS template for Product managers to add customer targeting attributes
- Implemented pipelines that pushed terabytes of data to cache and Cassandra
- Sent personalized banners as JSON responses to be rendered in email templates
- Rewarded Engineering Excellence Award for remarkable year-round adaptability and agility
- Instructed a 40-member Product Managers cohort familiarizing them with engineering jargon, resulting in a 15% efficacy boost in PM and engineering conversations

Item Badges (Java, Cassandra, Memcached, Jmeter, Stopa, Grafana, Prometheus, Splunk, Postman, CI/CD)
- Developed a framework for assigning badges ('Bestseller', 'Holiday Deal') to Walmart items
- Scaled it for upcoming badges and holiday events
- Optimized API response time to 10ms. Project made 0.5% GMV contribution
- Endorsed with the highest rank award for meticulous contributions during peak holiday period orders

Software Engineering Winter intern, Walmart Global Tech, Bangalore, India   **January 2020 - July 2020**
Outlier detection system (C++, Python, Hive, GRPC, Protocol buffers, RocksDb, Docker, Kubernetes)
- Alpha-released a performance-sensitive platform to exhaustively display multidimensional insights
- Automated it to send inventory, item metadata, and associate rejection stats on a daily basis
- Improved Out-of-Stock item substitute recommendations based on the system reports

Migration projects (Node.js, Python, Kubernetes, CI/CD, YML, Cloud, WM OneOps, Linux, Bash, Testing)
- Expedited Node.js to Python test cases migration and received Champion Award for the impactful effort
- Migrated search and reviews VM use-cases to the Walmart Cloud Native Platform saving 16+ VM costs

Software Engineering Summer intern, Walmart Global Tech, Bangalore, India   **May 2019 - July 2019**
Item recommender system (Machine Learning, Hive, Spark, Node.js, Hadoop, Confluence)
- Rigorously analyzed terabytes of customer data in the grocery domain revealing 15+ new insights
- Implemented a word2vec ML model for item recommendations based on the latest cart updates
- Designed UI to validate on-the-fly item recommendations and user experience
- Received a full-time offer and accolades for internship contributions

Projects

- Sepsis prediction (Deep Learning and Natural Language Processing)   Report
  Predicted sepsis based on relevant patient attributes and medical reports using Logistic Regression and RNN models. Reported 0.87 AUC on MIMIC IV dataset and 200D Pubmed word2vec embeddings
- Cuisine recommender system (Recommender systems and Natural Language Processing)   Github
  Recommended restaurant cuisines based on ratings, review text (sentiment analysis), GPS, and price. Strategy reported less than 11% inaccuracy on Google local reviews dataset