Aakriti Kedia

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Education

University of California, San Diego **Sept 2022 - June 2024**
Master of Science, Computer Science
Relevant Courses: Probabilistic reasoning & learning, Recommender system & web mining, Biomedical NLP

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
Relevant Courses: Data structures, Databases, Operating Systems, Software Engineering

Technical Skills

- Proficient in Data Structures, Algorithms, OOP, Databases, Operating Systems, Docker, Kubernetes
- Java, Python, Flask, APIs, SQL, Linux, C++, Splunk, Grafana, Kafka, Hadoop, Hive
- Javascript, Node.js, React.js, HTML, CSS, Bootstrap

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 Engineer 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 - Predict if a person has sepsis based on 264 relevant patient attributes and reports. Used MIMIC IV dataset and Pubmed word2vec embeddings
- Cuisine recommender system - Recommend restaurant cuisines based on ratings, review text, and price. Used Google local reviews dataset [1, 2]