Adhip Kashyap

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EDUCATION

- **Arizona State University** Tempe, AZ
  M.Sc in Computer Science; GPA: 3.6/4 *Aug 2022 – May 2024*
- **Relevant Coursework**: Algorithms in Computational Bio, Combinotorial Algorithms and Intractibility, Data Processing at Scale.

TECHNICAL SKILLS

- **Languages**: Python, JavaScript, SQL, PHP, Java, Go, C, C++, Scala, Rust.
- **Technologies/Frameworks**: React, NodeJS, Redux, AWS, Flask, Laravel/Lumen, Springboot, Neo4j, PostgresSQL, Redis, Docker, ElasticSearch, Logstash, Kibana, Apache Spark, Kubernetes, Hadoop, D3.js, Sentry.

WORK EXPERIENCE

- **InduzBuy** Bengaluru, India
  Software Engineering Intern *June 2023 – Aug 2023*
  - **GPT-3 Customer Requirement Parser**: Created a script using GPT-3 and string similarity metrics to parse buyer requirements, normalize supplier catalogue data and find the best matches.
  - **Laravel Migration**: Spearheaded the code migration from core PHP to Laravel — introducing a streamlined Model-View-Controller architecture for improved modularity, scalability, and maintainability.

- **ICICI Lombard** Bengaluru, India
  Software Engineer *Oct 2019 – Aug 2022*
  - **Renewals Portal**: Led the development of a major overhaul of the customer renewals portal built using ReactJS and backend microservices in Lumen — reducing renewal process time from 1 hour to under 10 minutes.
  - **Rule Engine**: Engineered a GraphDB-based decision tree using Neo4j to compute key components of the insurance premium, improving load times by 40% with greater maintainability by automatically pruning redundant rules.
  - **Microservices Migration**: Re-architectured the existing monolith platform into smaller microservices built in Lumen, resulting in 50% fewer outages while increasing scalability.
  - **Work From Home Solution**: Developed a CRM mobile app during COVID-19 lockdowns using React Native and NodeJS, allowing customer relations executives to operate remotely using their phones.

- **AutoNinja** Bengaluru, India
  Software Engineer *Jun 2019 – Oct 2019*
  - **Error Monitoring**: Implemented a custom error monitoring system using Sentry to track and notify the team of errors in customer configurations, reducing number of errors by 80%
  - **Vehicle Delivery Tracker**: Designed and developed a feature allowing customers to track the delivery of their vehicles from repair shops in real time, Built using Laravel, PostgresSQL and React Native

  Software Engineering Intern *Jan 2019 – Jun 2019*
  - **Event Management Portal**: Designed and implemented SQL tables and APIs in Laravel to create, manage, and track promotional events for clients. Built a frontend in AngularJS enabling customers to access and download auto-generated reports.

PROJECTS

- **LLM Science Exam**: Trained a DeBerta-v2 LLM to answer STEM Multiple-choice questions as part of my Data Mining class. Developed a knowledge retrieval system using Cohere APIs and TF-IDF to provide the model with additional contextual information.
- **Scalable Data Processing Pipeline**: A scalable data-processing pipeline to parse and analyse the open NYC taxi dataset using neo4j, Apache Spark, Hadoop, and Kubernetes.
- **LibriCasts libricasts.adhipk.dev**: A work-around for importing public domain audiobooks from librivox.org to PocketCasts, by hosting fixed RSS feeds as Github Gists
- **Chasing Squirrels chasing-squirrels.adhipk.dev**: A web app using d3.js and HTML visualising human-squirrel interactions on a random day from the NYC squirrel census dataset.