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| [github.com/adhipk](https://github.com/adhipk) |  |
| <https://adhipk.dev> |  |

# Education

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| **Arizona State University** | Tempe, AZ |
| *M.Sc in Computer Science; GPA: 3.6/4* | *Aug 2022 – May 2024* |

* **Relevant Coursework**: Algorithms in Computational Bio, Combinatorial Algorithms and Intractability, Data Processing at Scale.

# Technical Skills

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

# Work Experience

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| **InduzBuy** | Bengaluru, India |
| *Software Engineering Intern* | *June 2023 – Aug 2023* |

* + **Lesson Magic**: Developed a language learning resource search engine using Next.js, with authentication via Clerk, payment integration using Stripe, and a custom PostgreSQL database.

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| **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.

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| **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.
  + **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.
  + **Mentoring and Interviews**: Regularly conducted technical interviews and was in charge of mentoring interns, providing feedback and conducting code reviews.

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| **AutoNinja** | Bengaluru, India |
| *Software Engineer* | *Jan 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 the 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

# 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**](https://libricasts.adhipk.dev/): A work-around for importing public domain audiobooks from [librivox.org](https://librivox.org/) to PocketCasts, by hosting fixed RSS feeds as Github Gists
* **Chasing Squirrels**  [**chasing-squirrels.adhipk.dev**](https://chasing-squirrels.adhipk.dev/): A web app using d3.js and HTML visualising human-squirel interactions on a random day from the NYC squirrel census dataset.