

# AKHIL KUMAR HARIKUMAR

## Full Stack Developer

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GitHub: [github.com/AkhilsWorkshop](https://github.com/AkhilsWorkshop)

## EDUCATION

### Master of Science - Computer Science

Aug 2021 - May 2023

University of Texas at Arlington, TX, United States

**Courses:** Cloud Computing, Python, Software Engineering, Database Systems, Web Data Management, Computer Networks, Numerical Methods, Algorithms, Data Analysis and Modeling Techniques

### Bachelor of Engineering - Computer Science Engineering

2017 – 2021

Anna University, Chennai, India

## CERTIFICATIONS

### AWS Certified Cloud Practitioner – Jan 2023

### JPMorgan Chase Software Engineering Virtual Experience Program – Feb 2023

- Gained practical experience by understanding the assigned tasks and worked on JPMC Framework & tools to display the stock price data using Python, NodeJS, TypeScript, React

## TECHNICAL SKILLS

**Languages:** JavaScript (ES6 +), TypeScript, Python, Java

**Framework / Library:** React, NextJS, Express, NodeJS, Django, Flask

**Web Technology:** HTML5, CSS3, Bootstrap, TailwindCSS, SASS, Headless UI

**Database:** MongoDB, MySQL, SQLite, PostgreSQL, Firebase

**Other Tools:** Git, GitHub, Heroku, Sanity, npm, VS Code, Canva

## WORK EXPERIENCE

### Full Stack Developer (Freelance)

2019 - 2021

- Designed and developed dynamic website for Local Business using React, Bootstrap for frontend and NodeJS, MongoDB for backend to promote their business online which brought 70% increase in their sales.
- With Python's NLTK, built a chat bot for the university web page with efficient search time complexity. XML and JSON were used for feeding the data.

## TECHNICAL PROJECTS

### Movie Watchlist ([movie-home.ml](https://movie-home.ml))

- Using React, TailwindCSS and Firebase, created a watchlist web application where users can save their favorite movies, TV shows and developed a custom search where users can query for movies, TV shows and even the casts, crew of the show.

### Cloud Storage System Using Concurrent Techniques

- Built a cloud storage application using Java and SQLite to store and sync the data across different devices. Managed connection using TCP & UDP for sending and receiving data. Designed the GUI using Java Swing.

### Hello Buddy ([helloworld.ga](https://helloworld.ga))

- A personalized prompt application for tracking down monthly bills and save unwanted expenses. Created using React, TailwindCSS, Firebase, Headless UI and deployed on GitHub pages.

### Personal Portfolio ([akhilkumar.dev](https://akhilkumar.dev))

- Created a personal portfolio web page using React, Tailwind CSS, TypeScript and the content is managed using the headless CMS Sanity through an API call.

### Dividends 4 Income ([dividends4income.ml](https://dividends4income.ml))

- A Django application that allows users for viewing latest stocks dividends, their history, payout and much more. Users can query different company tickers all over United States. Other technologies used: Bootstrap, Pandas, jQuery, hosted on GitHub & Heroku.

## INTERN / WORKSHOP

### Workshop, Tagore Engineering College, Chennai, India

Mar 2020

- Learned Python Libraries like Pandas, NumPy and made an application to represent data.

### Intern, Wiki Techy, Chennai, India

Aug 2019

- Exposure on Cloud Computing and various cloud services like AWS Lambda, S3, EC2, CloudFront.

### Intern, RE Tech Solutions, Chennai, India

Oct 2018

- Acquired core knowledge of Object-Oriented Concepts and worked on few Java mobile applications.