

# PRAJWAL PANDIT KHOT

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## Education

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### University of Illinois at Chicago

*Master of Science in Computer Science (GPA: 4.0/4.0)*

**Aug 2021 – May 2023**

*Chicago, IL*

### CMR Institute of Technology

*Bachelor of Engineering in Computer Science*

**Aug 2016 – July 2020**

*Bangalore, India*

## Technical Skills

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**Languages:** Python, C, C++, PHP, HTML, CSS, JavaScript

**Database:** Apache HBase, MySQL, MongoDB, PostgreSQL

**Technologies/Frameworks:** Tableau, Hadoop, Microsoft Azure, AWS, Jenkins, ReactJS, NodeJS, Power Apps

## Experience

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### UI Health

**March 2022 - Present**

*Graduate Research Assistant*

*Chicago, IL*

- Created an end-to-end python application to automate generating HTML email template using BeautifulSoup, reducing 20+ hours of manual work per week
- Used MailChimp API to automate creating and sending campaigns to 5000+ recipients
- Developed and maintained website for the Cancer Center

### KEA Data Pvt. Ltd.

**Nov 2020 – July 2021**

*Data Scientist*

*Bangalore, India*

- Worked with LSTM Model for time-series forecasting
- Developed systems to provide insights using Holt-Winters' method and ARIMA Models
- Used Tensorflow to study the trends of the stock market
- Automated statistic reporting projects on Grafana saving 15 hours per week of manual reporting of data
- Improved the speed and reduced the load on the database by 10% using query optimization and indexing
- Developed a system to monitor the workload on the database servers using Prometheus

### Edumerge Solutions Pvt. Ltd.

**Jan 2020 – March 2020**

*Software Developer Intern*

*Bangalore, India*

- Developed a React-Native app that was deployed over 10+ schools, which tracked the real-time location of school buses
- Project led to \$15,000 annual revenue

### Eximius Design Pvt. Ltd.

**Aug 2019 – Sept 2019**

*Software Developer Intern*

*Bangalore, India*

- Implemented sign-in system using OpenCV reducing the cost by \$50,000 annually
- Led a team of 5 interns over a period of 2 months for the development and timely delivery of the product
- Implemented Eigenface, LBPH and Fisherface algorithms for the development of the product

## Projects

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### Secure Online Voting System using Blockchain | Hyperledger Fabric, MongoDB, NodeJS

- Developed a web-based Blockchain application for casting votes during an election
- Implemented this system using Hyperledger Fabric 2.0 for the back-end and used NodeJS for the front-end.

### Restaurant recommendation system | Python

- Developed a recommendation system using k-nearest neighbors after aggregating data from Yelp
- Worked with Selenium and Postman for the generation of restaurant dataset
- Performed sentiment analysis on the generated dataset to understand user's preferences

### Movie Recommendation website | Python

- Designed an end-to-end Movie Recommendation website using Python
- Developed a Content-based recommender system using TMDB 5000 Movie Dataset
- Deployed the project as a Website using Python streamlit

## Achievements

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- Best Project award from Tequed Labs Stock Analysis
- Secured 4th place in Leapstart Badminton Championship, Bangalore and qualified for National Level Badminton Championship