

PRAJWAL PANDIT KHOT

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👤 resume.prajwalpk.com

Education

University of Illinois at Chicago

Master of Science in Computer Science (GPA: 3.72)

Aug 2021 – May 2023

Chicago, IL

CMR Institute of Technology

Bachelor of Engineering in Computer Science

Aug 2016 – July 2020

Bangalore, India

Technical Skills

Languages: Python, Go, R, NodeJS, HTML, CSS, JavaScript

Database: MySQL, MongoDB, PostgreSQL

CI/CD: GitHub, Jenkins, AWS CodePipeline

Serverless Technology: AWS Lambda, AWS ECS, Docker, Amazon DynamoDB, Amazon S3, AWS APIGateway

Experience

UI Health - Cancer Center

Graduate Research Assistant

March 2022 - Present

Chicago, IL

- Developed and maintained .NET application to display Cancer Cohort data to over 200 doctors and researchers
- Developed a Desktop Python application to generate and broadcast Email newsletters using Flask, BeautifulSoup and MailchimpAPI to over 2500 doctors across USA
- Developed a Python application to parse through complex JSON files containing patient data to provide insights on Cancer Research to over 100 doctors

KEA Data Pvt. Ltd.

Data Scientist

Nov 2020 – July 2021

Bangalore, India

- Implemented Holt-Winters and ARIMA Models for the time-series forecasting of FSI data and created reports using Grafana for over 10 clients
- Automated statistic reporting of 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 and report the workload on the docker containers using Grafana and Prometheus

Edumerge Solutions Pvt. Ltd.

Software Developer Intern

Jan 2020 – March 2020

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.

Software Developer Intern

Aug 2019 – Sept 2019

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

The Cloud Resume Challenge | *HTML, CSS, AWS, Github, Go*

- Developed a serverless website using HTML, CSS and continuously deployed to S3 bucket and Cloudfront CDN
- Automated the backend infrastructure using github actions with unit tests for deploying AWS SAM / Cloudformation artifacts
- Developed a REST API, powered by AWS Lambda, to maintain DynamoDB

Movie Recommendation website | *Python*

- Designed and deployed an end-to-end Movie Recommendation website using Python Streamlit
- Developed a Content-based recommender system using TMDB 5000 Movie Dataset

Achievements

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