

# Sushen Kumar

[kumar@sushen.dev](mailto:kumar@sushen.dev) ❖ (312) 536-6188 ❖ 410 S Morgan St, Chicago, IL - 60607

## WORK EXPERIENCE

---

### University of Illinois

May 2021 – Present

#### Graduate Assistant

Chicago, IL

- Architected end-to-end pipelines for clinical research data with REDCap, for the University of Chicago, in association with the University of Illinois at Chicago.
- Developed APIs in Java for authentication and anonymization of clinical data for privacy measures.
- Automated report-generations from anonymized user records, which reduced the time spent by case managers by 50% per week.
- Designed and maintained multiple client-facing surveys and backend databases on Amazon RDS for sensitive, unstructured survey responses.

### Chefling, Inc.

Oct. 2019 – Jan. 2021

#### Software Engineer (Remote)

Sunnyvale, CA

- Spearheaded microservice infrastructure for Chefling's applications using Docker, Kubernetes, and Amazon Web Services.
- Led the development for [Chefling-Pantrychic](#): Developed and deployed Pantrychic microservices for smart-kitchen solutions.
- Designed and developed microservices for matching, filtering, and recipe recommendations.
- Utilized Elasticsearch and Kibana to serve kitchen recipes on the application.
- Architected CI/CD pipelines for Backend, ML, and Android builds with Jenkins/SonarCube.

### Statosphere Technology Ltd.

Aug. 2018 – Oct. 2019

#### Co-Founder and Software Engineer

Bangalore, India

- Architected a platform for soccer academies and clubs to understand player performance on the soccer field, through tracking algorithms based on video feed.
- Led a cross-domain team of 4 to develop Scout: Platform for soccer academies to track the progress of students.
- Collaborated with soccer clubs in Bangalore for post-game insights.

## EDUCATION

---

### University of Illinois at Chicago

April 2022

#### Master of Science in Computer Science

Chicago, IL

- GPA: 3.83
- Coursework: Concurrent Computing Systems, Statistical NLP, Blockchain, Natural Language Processing, Mobile Platforms, Algorithms, Advanced Software Engineering, Object/Functional Programming, Deep Learning for NLP

### Visvesvaraya Technological University

June 2019

#### Bachelor of Engineering in Computer Science and Engineering

Bangalore, India

## PROJECTS

---

- [ActorSecrets](#): Distributed, resilient, actor-based application security generator; with AKKA in Scala.
- [RateMyCourse](#): NLP-based course evaluator plus peer-review scraper, with vader/textblob sentiment analysis in Python.
- [Glark](#): Open-source Grafana to LarkSuite communicator, for real-time Kubernetes cluster scaling/monitoring.
- [GetThis](#): Scalable, content-management platform, based on the pub-sub model with LMAX Disruptor in Java.

## SKILLS & INTERESTS

---

- **Programming:** Scala, Java, Golang, JavaScript, C/C++, Python, HTML/CSS, Bash
- **Technologies / Tools:** AKKA, AWS, MySQL, Postgres, MongoDB, git, Docker, Kubernetes, Redis, React, SparkJava, Elasticsearch, Linux, Android, nginx, Jenkins, SonarCube, Distributed ledgers
- **Other:** Knowledge and experience with SDLC, Language Processing, DevOps, Agile Software Development
- **Publications:** [An Effective Approach to Discern Leaders in Wireless Sensor Networks](#)-DOI: 10.9790/0661-2006031420
- **Interests:** Professional mentoring, Music Production, Parliamentary Debate, Grade IV - Indian Classical Instruments & Singing.

## HACKATHONS

---

- Winner at DELL INDIA Futurist - Application Development Challenge, India, 2019 (Nation-wide)
- Winner at MMA Vodafone Ideathon - Bangalore, 2018
- Runner up at IESA Makeathon - India, 2018 (Nation-wide)
- Winner at ValuePitch Hackathon, Bangalore, 2017 (State-wide)