Aditya Nair

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EDUCATION

University of Illinois, Chicago	**Chicago, IL**
MS in Computer Science	*Graduation Date: May 2023*

University of Mumbai	**Mumbai, India**
BE in Computer Engineering	*Graduation Date: May 2019*

WORK EXPERIENCE

Discovery Partners Institute	**Chicago, IL**
Graduate Research Assistant	*August 2022 – May 2023*

- Developed an automated COVID-19 SIR Epidemic Modeling system to study the impact of COVID-19 across 3000+ US counties
- Developed a vulnerability index to provide valuable insights and data-driven decision-making for wastewater sampling.

Agnostech Innovations	**Mumbai, India**
Fullstack Developer	*June 2019 – July 2021*

- Automated the calculation of minimum target grade requirement per subject from 400,000+ students records by using Node.js,GraphQL and PostgreSQL Triggers
- Modified the Flutter video player for video playlist playback and timestamp-based quizzes on XBSL, used by 20,000+ professionals and students
- Streamlined claim filing process for MSA using a feature-rich and responsive form with GraphQL subscriptions, used by 13,000+ MSA Delegates
- Optimized location logging for Cell Propulsion fleet management system using Google Cloud Services and efficient caching to mitigate network loss.

Stupidsid	**Mumbai, India**
Android Development Intern	*June 2017 – July 2017*

- Lead the redesign of a mobile app that served over 100,000 students, improving their academic performance and successfully deployed it on the Google Play Store."

PROJECTS

Distributed Log File Processor	**Chicago, IL**
Tech Lead	*Oct 2022*

- Developed a high-performance parallel distributed system using Apache Hadoop(Scala) and Amazon Web Services Elastic Map Reduce(EMR) to efficiently process and analyze large log files.
- Developed a gRPC client for efficient log file search using AWS lambda and REST API

Pacando	**Mumbai, India**
Tech Lead	*Feb 2021 – June 2021*

- Conceptualized, developed and pitched a successful, innovative fantasy football app that monetizes user expertise at WHU School of Management's 3 Day Startup Bootcamp in Germany.

Companion	**Mumbai, India**
Tech Lead	*June 2016 - June 2019*

- Lead the redesign and improvement of a college portal, streamlining courses, attendance and travel concessions management for administration, faculty and over 2000 students

TECHNICAL SKILLS

Languages: Dart; Java; Kotlin; SQL; JavaScript; Typescript; React; HTML; CSS; Python

Technologies: Flutter; Android SDK; Node.js; Heroku; Postgres; RxJava; XCode; Git; GraphQL; Agile; Scrum

Certifications: Google Certified Associate Android Developer