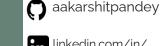


# **A**AKARSHIT PANDEY





# **EDUCATION**

## PURDUE UNIVERSITY

WEST LAFAYETTE. IN.

B.S. in *Computer Science* 

(Concentration in Machine Intelligence & Systems Programming),

Certificate in **Entrepreneurship** and Innovation.

Minor in **Mathematics**.

Expected Graduation: Dec 2021 Cumulative GPA: 3.98 / 4.0

#### RELEVANT COURSEWORK:

CS307: Software Engineering

CS448: Databases\*

CS381: Analysis of algorithms\*

CS252: Systems Programming

CS373: Data Mining/ML

CS250: Computer Architecture

CS251: Data Structures & Algorithms

Cs390: Web-App Development

CS180: Object Oriented Programming

\*Ongoing coursework

#### SKILLS

## PROGRAMMING LANGUAGES:

- (Proficient): Java, C, JavaScript, Swift, C++
- (Familiar): Python, SQL, R, Bash Scripting.

#### TECHNOLOGIES:

AWS, OpenCV, React, Express, Django, NodeJS, Android & iOS app Development, Selenium, Appium, Spring Boot

# **AWARDS &** RECOGNITION

#### DEAN'S LIST/SEMESTER HONORS

(Fall '18 - Spring '20) Awarded for academic excellence.

# **RATED TOP 10% MATHEMATICIANS**

(2015 & 2017)

In the National Mathematics Talent Contest conducted by Association of Mathematics Teachers of India.

## **EXPERIENCE**

**SALESFORCE • SOFTWARE ENGINEER INTERN** 

Virtual (COVID-19 Pandemic)

May '19 - July '19

- Worked on a full-stack framework from scratch for automated recoveries of failing Data Pipelines and Elastic Map Reduce Jobs that are running on AWS.
- Incorporated several heuristics for automation. Directly impacted the response time for approx. 40-60% of the jobs by multiple folds and many more indirectly.
- Technologies: Spring Boot, AWS (EMR, Data Pipelines, S3), PostgreSQL, React

**QUALITY-KIOSK TECHNOLOGIES.** • SOFTWARE TESTING INTERN

Mumbai. India

June '19 – July '19

- Served as a part of Cloud Technology and Quick Response Team.
- Wrote new test automation scripts for various Web, Android, and iOS apps. Debugged and fixed the existing faulty scripts.
- Technologies Used: Appium, Selenium, Java.

**PURDUE UNIVERSITY • UNDERGRADUATE TEACHING ASSISTANT** West Lafayette, IN August '19 - Present

- Assisting the students taking C Programming (CS240), and Data Structures and Algorithms (CS251) courses at Purdue.
- Holding help sessions and monitoring the online course forum to address doubts from students.

## **PROJECTS**

MERCHANT · Swift and NodeJS based iOS App which is a closed community ecommerce app that lets users and negotiate/interact at pre/self-identified safe spots (Map & Live location integration). Followed agile and scrum principles with weekly sprints.

EARLY BIRD ALERT SYSTEM • Developed a Django based Web App which keeps a track of all the inmates in Tippecanoe county. A data retrieval alert notification system which scrapes data from online sources and processes it.

INK-SPEAKS • Developed a React, Mongo, and NodeJS based web-application which allows users to create their own channels, post blogs, articles, poems, which other users can subscribe to.

**SCAN-BITE** • To reduce the long queues at fast-food joints, made an **iOS** app on **Swift** which lets a user pick the items of his choice from restaurant menus and render a QR code which can place orders in a vendor-side Web App.

## LEADERSHIP AND CLUBS

**HELLO WORLD •** DEV TEAM • (Spring'19 – Present)

Working on a web app and a native mobile app to support the virtual hackathon. In past, helped develop a Node, React and MongoDB based progressive web app for the Hello World Freshman Only Hackathon at Purdue University.

PURDUE WEB DEV CLUB • EXEC BOARD MEMBER • (Fall'19 - Present)

Hosting workshops and managing sponsors

MINIMAKE HACKATHON • ORGANISER & EX-MENTOR • (Spring'19 - Present)

Organizing the hackathon for School students. Mentored a student with a python project









