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# AAKARSHIT 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 **e-commerce** 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

