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AAKARSHIT PANDEY

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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
CS471: Artificial Intelligence*
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.

MOST INNOVATIVE IDEA

(Summer '20)
Won award for the proposition of a Neural network based COVID test at Decoding COVID event by South Asian Medical Student Association.

RATED TOP 10% MATHEMATICIANS

(2015 & 2017)
In the National Mathematics Talent Contest conducted by AMTI, 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