

AKSHAT JAIN

EDUCATION

University of California, Berkeley

Bachelors in Computer Science, May 2022

- Courses:
 - EECS 16a/16b: Designing Devices and Systems
 - CS 61a/61b/70: Comp Programs, Algorithms, Discrete Math

CORE STRENGTHS

Languages: Java, Python, HTML, CSS, JavaScript, Node.JS, AngularJS, React.JS, Express.JS, MongoDB, React Native, MySQL, SQL, PHP, VB.NET (MVC), C++

Technologies: Git, Jira (Agile Methodology), Android Studio, Visual Studios, Firebase, PID, OpenCV, Raspberry Pi, Bootstrap

Interpersonal: Team-Focused, Collaborative, Organizational Leader, Punctual, Optimistic

AWARDS & HONORS

- Capital One Company Challenge Winner | HackRice 9 | 2019
- Most Valuable Programmer | Steel Talon Robotics | 2019
- 1st Place (State Competition) | FIRST Robotics Texas Competition | 2018
- 1st Place (Written), 2nd Place (Programming) | UIL CS Texas Competitive Programming Competition | 2018
- 2 time Google Code-In Participant | 2017, 2018
- National AP Scholar | Collegeboard | 2018

CONTACT DETAILS

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Github: github.com/AkshatJain1

Berkeley, CA

EMPLOYMENT HISTORY

Software Engineering Intern (Part-Time)

WYMB0, INC.

SEP. 2019 - PRESENT

- Solved pertinent issues relating to event creation bugs and solution of edge cases on the **ReactJS** website.
- Solved **Firebase** and Live Reload dependency issues in the **React Native - Android** version leading to the completion of a successful initial release.

Student Instructor (Part-Time)

JUNI LEARNING

AUG. 2019 - PRESENT

- Instructed 10 students of all levels upon a full course on basic **Python** programming and advanced algorithms.
- Made curriculum suggestions and improvements leading to the addition of 3 new supplemental projects, enhancing the quality of teaching materials.

Software Engineering Intern

HEWLETT PACKARD ENTERPRISE

JUN. 2018 - AUG. 2019

- Built data analysis reports for open source vulnerabilities with **VB.NET/JavaScript**; reduced time from quadratic to logarithmic.
- Developed a "customer profile report" with **Node.JS** which provided usage information of an internal application gathering additional funding.
- Created a CRUD desktop GUI with **Python (Tkinter)** to manage sensitive product data and wrote a script to automate it's data cleansing, saving 2 hr/week of tedious manual labor.

CEO/Founder

BITSNBYTES TUTORIALS

JUN. 2017 - JAN. 2019

- Gathered and taught over 120 students over the duration of 1.5 years to participate in a **Java** Bootcamp by conducting market research and direct marketing.
- Developed a comprehensive web interface in **PHP** and **MySQL** to facilitate grading, online assignment submission and material distribution.

EXTRACURRICULAR ACTIVITY

React Native Lead Developer

BERKELEY MOBILE

SEP. 2019 - PRESENT

- Updating the codebase of this official campus mobile application to the **React Native** language for cross-platform compatibility.
- Leading the redesign and implementation efforts, focusing on feedback as provided by user research and usability testing.

Lead Programmer

STEEL TALON ROBOTICS

SEP. 2016 - MAY 2019

- Led team in development of autonomous path planning with complex algebraic motion algorithms in **Java**.
- Researched and implemented advanced vision processing techniques to track targets in **Python** with **OpenCV**, running on **Raspberry Pi**.

RESEARCH

Effects of Autonomous Vehicles on Contemporary American Society

COLLEGEBOARD

APR. 2018

- Criticized validity of core technologies such as shared network **V2V** signals.
- Explored insurmountable complexity of modern **PID control** algorithms.