Keshav Maheshwari

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EDUCATION

Boston University, Boston, MA GPA: 3.67 **May 2022**

B.A in Computer Science and Physics

Selected Coursework: Programming with Python, Algorithms & Data Structures in Java, Calculus I&II, Geometric Algorithms with Linear Algebra

SKILLS

Experienced: Python | Java | git | bash | HTML | CSS | Swift

Intermediate: JavaScript | Node.js | C++ | MATLAB | C | SQL | React.js & Native | jQuery | Google Cloud | Azure | Darknet

TECHNICAL AND LEADERSHIP EXPERIENCE

Hack4Impact Boston University Chapter, *Mobile App Developer,* Boston, MA **February 2019 – Present**

- Developing android app for ILO that fosters entrepreneurial skills through interactive quizzes and gamified lessons
- Participating in a learning project to build an android brain teaser game

YHack, *Yale Hackathon 2018 participant,* New Haven, CT **November 2018 – December 2018**

- Facilitated development of "Ocubrowse", software that enables handicapped users to navigate the web with their eyes
- Designed front-end for chrome extension to ensure efficient execution of eye tracking data set
- Deployed software using Brown University machine learning library WebGazer.js trained on OpenCV

HackHaverhill, *UMass Lowell Hackathon 2018 Participant,* Haverhill, MA **November 2018 – November 2018**

- Formed team of programmers to develop interactive web-based application to connect parents, teachers, students
- Used React.js and Node.js to deploy app, Twilio API for secure communication, Google API for chat translation
- Achieved Judge's Choice Award ($1000) for functional interactive app which successfully respected user privacy

BostonHacks, *Boston University Hackathon 2018 Participant,* Boston, MA **November 2018 – November 2018**

- Worked with team to develop "Iota", that accepts GPS coordinates and evaluates sidewalk conditions for city of Boston
- Utilized Google's extensive API libraries for roads, maps, and street-view data using Python
- Demonstrated integration of "Darknet" computer vision (machine learning) library to identify sidewalk quality

Global App Initiative, *Mobile App Developer,* Boston, MA **September 2018 – February 2019**

- Worked with team to develop React Native app that scans food product barcode and displays cancer risk assessment
- Integrated app with ingredient details and product image by utilizing "Open Food Facts" database's API through Python

Artisan's Asylum, *Circuit Hacking Member*, Somerville, MA **September 2018 – Present**

- Attend weekly circuit hacking night and interact with established engineers to acquire expertise in circuits/hardware
- Assemble and integrate various beginner circuits like TV-B-Gone, Photo-Sensitive Toy Car, Blinky-Lights

PAST EMPLOYMENT EXPERIENCE

EZ Fuels.Inc, *Cashier/Sales-Assistant* **May 2017 – August 2016**

- Managed cash register, inventory, and working capital by recording and reporting financial accounts
- Ensured customer satisfaction through strong communication, interpersonal skills, and advising them on products

Life Project 4 Youth, *Business Consultant* **January 2017 – May 2017**

- Fostered entrepreneurial skills in underprivileged and illiterate 18-25 years old students in Kolkata's slums
- Planned, organized and conducted lessons to teach practical business concepts and encouraged calculated risk-taking

ADDITIONAL STEM PROJECTS

Connect Four, *Python-shell based game* **November 2018 – December 2018**

- Object-oriented python-based interactive connect four game that can be played on the shell with friend or computer
- Utilizes a recursive model enabling user to play against AI player with extreme difficulty levels

Markov Chain Text Generator, *Python-based text generator* **November 2018 – November 2018**

- Stores parent text files in a dictionary and generates new structured text through Markov chain modelling

Probabilistic Plagiarism Tester, *Python-based text modelling* **December 2018 – December 2018**

- Collects target authors' works and compares user's text style, language, tone to detect similarities and/or plagiarism