Keshav Maheshwari

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EDUCATION

Boston University, Boston, MA GPA: 3.76 — **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 | AWS | bash | HTML | CSS | Swift | Django

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

TECHNICAL AND LEADERSHIP EXPERIENCE

Hack4Impact Boston University Chapter, *Vice President Strategy | Software Developer,* Boston, MA — **February 2019 – Present**
- Envision and strategize the club's future and maximization of our social impact
- Developed android app for ILO that fosters entrepreneurial skills through interactive quizzes and gamified lessons

Global App Initiative, *Vice President Client Relations | Software Developer,* Boston, MA — **September 2018 – July 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

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

Artisan's Asylum, *Circuit Hacking Member*, Somerville, MA — **September 2018 – December 2018**
- Attended weekly circuit hacking night and interacted with established engineers to acquire expertise in circuits/hardware
- Assembled and integrated various beginner circuits like TV-B-Gone, Photo-Sensitive Toy Car, Blinky-Lights

PAST EMPLOYMENT EXPERIENCE

Íko Systems, *Full Stack Developer* — **June 2019 – Present**
- Built an extensive IOS application that complements a new product line including a micro-greenhouse
- Synchronized IoT device with user interface for automates and optimized plant growth

Centori, *Software Engineer* — **June 2019 – Present**
- Developed backend resources for a Django app that facilitates content strategy and SEO

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