

# Rishab Nayak

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## EDUCATION

### BOSTON UNIVERSITY

BA IN COMPUTER SCIENCE AND  
CHEMISTRY

Expected May 2021 | Boston, MA

Dean's List (Spring 2018)

Cum. GPA: 3.39 / 4.0

## LINKS

Github:// [rishab2113](#)

LinkedIn:// [rishabnayak](#)

## COURSEWORK

### UNDERGRADUATE

Algorithms and Data Structures (Java)

Probability in Computer Systems (Python)

Concepts of Prog. Languages (Haskell)

(Course Grader)

MEAN Stack App Development

Programming for Engineers (MATLAB)

Engineering Design

## MENTORSHIP

### CS PEER MENTOR

Responsible for providing insight and

advice via organized events and

one-on-one check-ins

Bridge between the CS department, clubs,

and other programs on campus

### HACKATHON MENTOR

Helped teams debug, brainstorm,

troubleshoot, and design architectures for

various projects at **HackMIT**, **YHack** and

**TechTogether Boston**

## SKILLS

### PROGRAMMING

Experienced:

Java • Dart • JavaScript • Python

Node.JS • Wolfram Language • Matlab

Intermediate:

Swift • Objective-C

### FRAMEWORKS AND CLOUD

Flutter • Vue.JS • Angular • MongoDB •

Git • AWS • Google Cloud • Firebase •

OpenCV • Keras • CI/CD

## EXPERIENCE

### BOSTONHACKS | ORGANIZER

Apr 2019 – Present | Boston, MA

- Collaborating on a team of eight members to **develop the tech** behind BostonHacks, an annual collegiate hackathon
- Spearheading the design of a platform that allows prospective sponsors to learn about BostonHacks, get involved with us, and for our sponsorship team to manage and interact with sponsors via a **Progressive Web App**

### EYESPACE | PROJECT MANAGER AND LEAD DEVELOPER

Nov 2018 – Present | Boston, MA

- Conceptualizing and developing an **accessibility tool** to empower the **visually impaired** via an autopilot for humans, committed to delivering accessibility, autonomy and inclusion
- Liaising an **international collaboration** between teams in Brazil and the US, made possible by Google for Education
- Motivating a three member development team to develop a **cross-platform mobile application** leveraging **cloud compute, machine vision and natural language** with 10+ users in a closed alpha testing track

### PRANTAE SOLUTIONS | CORE TECHNOLOGY DEVELOPER

May 2017 – Present | IN

- Probing new directions to push development, **designing technology solutions** for current ventures
- Developing a modern app based cross-platform diagnostic device making use of **microfluidic chips** to measure kidney health, bringing better testing to rural areas (**ProFloU**)
- Researching a **gold nanoparticle biosensor** to quantitatively measure the  $\mu$ RNA biomarker for preeclampsia by way of PRET, bringing its detection timeframe down to 3 weeks
- Building a website for the Incubator of this company, attracting 1000+ potential startups; 100,000+ visitors

### BU IT HELP CENTER | INFORMATION TECHNOLOGY SPECIALIST

Sep 2017 – Present | Boston, MA

- Providing technical assistance on multiple BU Services including Authentication, E-Learning, Print and Enterprise WiFi
- Creating and managing tickets on a ticketing system, performing customer service over the phone and in-person
- Supporting 30k+ students, faculty and staff

## PROJECTS AND OPEN SOURCE

- **PlugID** - A Neural Network to Identify Plugs and Connectors from an Image
- **pHarmr** - An automated, remotely controllable IoT hydroponics system for open source farming
- **Pill Dispenser** - A low cost, internet-enabled pill dispenser for the elderly to keep track of medication easily
- Contributions to **flutter/plugins**, **FirestoreExtended/flutterfire**, and developed various plugins for the Flutter framework
- Participated in 10+ Hackathons, won at HackHarvard, HackNYU, HackUMass, BostonHacks and WHACK