

## EDUCATION

**Boston University**, Boston, MA | BA in **Computer Science**, Minor in Innovation & Entrepreneurship *Expected 05/24*

- Coursework: Android Development, Machine Learning & AI, Database Systems, Software Engineering, Functional Prog., Algorithm Design, Data Science Tools & Applications, Linear Algebra, Probability, Combinatorics & Computer Systems

## SKILLS

Python, Java, Kotlin, React Native, JavaScript, TypeScript, SQL, Git, HTML, CSS, OCaml, C

Android, Docker, MongoDB, Express, React.js, Node.js, Next.js, Redux, Flask, Espresso, Mockito, Azure, AWS

Project Management, JIRA, DevOps CI/CD, Machine Learning, Design Thinking (UX), Innovation & Entrepreneurship

## PROJECTS AND AWARDS

- **Distractopathy – Driver Distraction Detector:** Envision an all-round driver behavior solution utilizing ML; deployed a user-executable script to categorize pictures into categories using **TensorFlow** & embedded it on distractopathy.com
- **NightOut – Android App:** Revolutionized night-out planning experience as **Scrum Master** by leading a 5-person team to develop a mobile solution that seamlessly integrates Yelp, Ticketmaster, & Zipcar APIs with **Firebase** authentication
- **PhotoShare – Social Network:** Built a dynamic **Flask**-based web app, a Flickr! clone, with advanced features including privacy settings, **MySQL** Join-based browsing, searching, sorting, & login while practicing **pair programming**
- **TerrierTracks – Stock Tracking & Pseudo Trading:** Applied agile methodologies & the software development life cycle (SDLC) in a 4-person team to build a back-end focused trading simulator utilizing Java & Google Finance APIs
- **RemindU – Chrome Extension:** Created a web app. for Boston Hacks 2021 in JS, HTML, CSS & Sass to promote better mental health by periodic personal-care notifications & productivity by custom user-defined time-based reminders
- **Assortment of Mini Android Apps:** Created various applications in Android Studio e.g. Flash Card app, Dating app, Calculator, Accelerometer & Simple Boggle to learn more about concepts including **fragments, bundles & unit testing**
- **Aryabhata Awards:** For All India Rank 1 at Global Mental Mathematics Competition (2015, 2016 & 2017)
- **Model UN:** Received 13 Awards in 18 Conferences as delegate, Served as chairperson 6 times. [bit.ly/p-mun](http://bit.ly/p-mun)

## EXPERIENCE

**Cisco Systems** | Ann Arbor, MI | Software Engineer Intern – **DUO Mobile** (Android) *05/23 – 08/23*

- Spearheaded a **Q4 OKR** to enhance Android UX, creating a **pixel-perfect custom color palette widget** synced with **Figma** and enriched with responsiveness and haptic feedback while meeting high accessibility & security standards
- Implemented the feature from scratch using **agile** frameworks, Test-Driven Development, **Kotlin**'s Coroutines & Navigation Libraries within the **MVVM** framework ensuring a robust scalable addition to DUO Mobile's Android app.

**UmpScores via. Boston University's Spark!** | Boston, MA | Software Engineer Intern *02/23 – 08/23*

- Implemented Test-Driven Development (TDD) using Jest for **React Native** & Flask API Unit Tests to ensure code quality
- Revamped **AWS** infrastructure with EC2, ECR & ECS for seamless **CI/CD** using GitHub Actions & **Docker** enhancing developer productivity & efficiency; automated API & component documentation using Swagger UI & React Styleguidist

**Marcuras Water Treatment** | Pune, India | Machine Learning & Data Science Intern *05/22 – 08/22*

- Improved time complexity of Hydranautics' IMSDesign by 40% employing advanced **data structures and algorithms**
- Designed an algorithm for optimal antiscalant conc. Levels implementing data science models such as Kmeans, Decision Trees and Naïve Bayes & analyzed regression trends to determine optimal sand filter and softener vessel compositions

**Pratham Filter Industries** | Mumbai, India | Software Engineering Intern *05/20 – 12/20*

- Developed & maintain **front-end** of [shop.prathamfilter.com](http://shop.prathamfilter.com); Led complete e-commerce business development viz integrating shipping, sales & warehousing via. Shopify, ShipRocket, SAP & AirTable APIs; **Cut 80+ man-hours/week**

**Stanford Inspirit AI Scholars Bootcamp** | Student Developer *07/19 – 07/19*

- Learned AI concepts, ML models & completed optional team-based capstone in **Computer Vision** segregating images of people into 4 action-based categories with k-NN, CNN & libraries (NumPy, pandas, Matplotlib, Keras, scikit-learn etc.)