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PRATHAM SHROFF

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

Docker, MongoDB, Express, React.js, Node.js, Next.js, Redux, Flask, Espresso, Mockito, Microsoft 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
- **Aryabhatta 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

EXPERIENCE

Cisco Systems | Ann Arbor, MI | Software Engineer Intern – Duo Mobile (Android Team)   *05/23 – 08/23*
- Improved user experience & Google Play ratings by enabling account customization; spearheaded pilot project to allow users to scan QR codes for MFA instead of the traditional approve/deny workflow, reducing phishing success by 96%

UmpScores – BU Spark! | Boston, MA | Software Engineer Intern   *02/23 – 07/23*
- 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; 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.)

The Next Genius Foundation | Mumbai, India | Summer Research Intern   *05/19 – 07/19*
- Researched trends in cryptocurrency use in LEDCs under a prof. from London Business School, explored several instant liquidity platforms to find the best fits & earned the Professional Certificate in Blockchain Fundamentals (UC Berkeley)