Sahit Penmatcha

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EDUCATION

UNIVERSITY OF PENNSYLVANIA, Philadelphia, PA   August 2019 - May 2023
- *Jerome Fisher Program in Management and Technology (M&T)*
- *School of Engineering & Applied Science:* Bachelor of Science in Engineering in **Computer Science**, expected **Data Science** minor
- *The Wharton School:* Bachelor of Science in **Economics**, expected **Finance, Operations Management** concentration
- GPA: **4.0/4.0** • Relevant Coursework: Programming Languages and Techniques I, Mathematical Foundations of Computer Science, Market and Social Systems on the Internet, Multivariable Calculus, Probability, Management

WEST WINDSOR PLAINSBORO HIGH SCHOOL NORTH, Plainsboro, NJ   September 2015 - June 2019
- GPA: **4.77/4.0**, ACT: **35/36**, SAT II Chemistry: **800/800**, SAT II Math 2: **800/800**
- Activities/Honors: FIRST Robotics Team 1923 (**Co-Captain**), Technology Student Association WWP chapter (**Founder, President**), Project Code (www.projectcode.live) (Co-Founder, Instructor), AP Scholar with Distinction

SKILLS/TECHNOLOGIES

- **Proficient:** Java, Python, Kotlin, Android, LaTeX, OCaml, Firebase
- **Intermediate:** GIT, Java Swing, JUnit, SQL, Flutter, Flask, NumPy, pandas, NetworkX

WORK EXPERIENCE

VERY GOOD VENTURES LLC, *SOFTWARE ENGINEERING INTERN,* New York City, NY   May 2020 - August 2020
- Develop mobile apps for enterprise clients in Flutter and Android, conduct unit/integration/widget/ tests, interact with clients to define technical project requirements and specifications, and participate in code-reviews with team members,

ELLO INC, *SOFTWARE ENGINEERING INTERN,* Boulder, CO   June 2018 - September 2018
- Worked with a small team of developers to build a native Kotlin version of the Ello Android app that replaces the current web-wrapped version, using git for version control.
- Implemented feature to allow artists to post GIFS on their feed, wire-framed Android UI elements for various screens, and built user-notification functionality from start to finish, bringing the native app **closer to release.**

INDEPENDENT STUDIO, *MOBILE APP DEVELOPER,* Plainsboro, NJ   August 2016 - January 2019
- Designed, developed, and published **6 complete mobile applications** on iOS and Android (www.sahit.me)
- Implemented marketing strategies to acquire **250,000+ users**, **rankings in Top Charts** for "Education", "Games", and "Entertainment" categories and **$2900 profit**

PROJECTS

FOREX ARBITRAGE FINDER, Python driven web app
- Built a Flask web-app that finds profitable currency arbitrage paths using a modified Bellman Ford algorithm.
- Pulled real-time exchange rates from a forex API, utilized pandas, NumPy, and NetworkX libraries for data/graph manipulation.

MYGENDA STUDENT PLANNER, Android application
- Designed, developed, published all-in-one student planner Android app in Java, **used by 11,000+ students**
- Implemented timed user notifications/reminders, voice recording functions, photo features, and scheduling features

MUNCH, Android application
- Built Java Android app with 2 peers that allows restaurants to reduce food wastage by discounting food items at non-peak hours
- Created search/filter functionality, checkout features, and integrated with Firebase backend
- **3rd place** out of 200+ developers at ProfHacks, Rowen NJ

EXTRACURRICULAR ACTIVITIES & HONORS

PENN MASALA, *DATA/BUSINESS ANALYST,* Philadelphia, PA   January 2020 - Present
- Implemented SEO techniques on website (pennmasala.com), **increasing traffic by 10%**, integrated an automatic mass-email tool to **speed up previous manual marketing efforts by 2x.**
- Produced actionable data-driven insights for YouTube channel (179k subscribers), **increasing video click-through rate by 50%.**

PENN LABS, *ANDROID DEVELOPER,* Philadelphia, PA   September 2019 - Present
- Implemented user-account functionality in the Penn Mobile Android app, allowing **around 2000 Penn students** to track their university meal-plan balance and study room reservations on the go.
- Developed this feature in Kotlin, integrating account information by parsing from SQL database.

APPLE WORLDWIDE DEVELOPER CONFERENCE, *SCHOLARSHIP RECIPIENT,* San Jose, CA   June 2018
- Selected as **1 of 300 international recipients** to attend Apple's 2018 Worldwide Developer Conference (WWDC18)
- Glimpse - my iOS app that allows the visually impaired to hear audio descriptions of nearby objects was **featured by Apple** here
- App implements AR image tracking, image classification using CoreML, and text-to-speech features