Jaitun Patel

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SUMMARY

Curious and creative Computer Science Graduate passionate about user-centered design and applying theory in practice to solve real-world problems using technology

EDUCATION

- **Virginia Tech** — Master of Science in Computer Science & Applications; GPA: 3.90
  Anticipated Graduation - May 2023
- **Ashoka University - Young India Fellowship** — Postgraduate Diploma in Liberal Studies; GPA: 3.48
  July 2019 - June 2020
- **A. D. Patel Institute of Technology (ADIT)** — Bachelor of Engineering in Computer Engineering; CGPA: 8.44
  August 2014 - May 2018

EXPERIENCE

- **Department of Computer Science, Virginia Tech**
  Graduate Research Assistant — *August 2021 - Present*
    - Conducting research under Dr. Scott McCrickard to design, develop and deploy technology for sustainable trail management by gathering insights from qualitative and quantitative data to understand the needs of trail users
    - Presented a Note at ACM SIGCAS & SIGCHI Computing and Sustainable Societies (COMPASS '22)
    - Presented a workshop paper in Proceedings of the InContext: Futuring User-Experience Design Tools Workshop at CHI Conference on Human Factors in Computing Systems (CHI '22)
  Graduate Teaching Assistant — *January 2022 - Present*
    - Courses: CS 1054 Introduction to Programming in Java, CS 5744 Software Design and Quality, CS 4784+4774 HCI Capstone: *Designing Outdoor Games*
    - Assisting in teaching by resolving student queries, mentoring for projects, grading and analyzing student performance
- **Stanford HealthCare**
  Graduate Intern - Technology and Digital Solutions — *May 2022 - August 2022*
    - Presented data-driven strategies by analyzing large-scale patient data to reduce around 2% of patient no-shows for appointments in MyHealth while advocating for patients, clinicians and management needs to increase the hospital's operational efficiency
    - Enhanced user experience in MyHealth by representing their voice in the design and working with cross-functional teams for the deployment of Wayfinding at one of the hospitals
- **Carobar Business Solutions Pvt. Ltd**
  Software Engineer — *July 2020 - May 2021*
    - Delivered a LIMS system for COVID-19 testing that accelerated testing during the first wave of the pandemic by leading the product development lifecycle in a fast-paced environment
    - Completed data migration for 6 months of laboratory orders through third-party API integration that enabled system hand-over and retained business with an important client
    - Managed project deadlines by independently handling projects in design, build, and test phases and providing troubleshooting and customer support
- **Spectral Insights - an nference Inc Company**
  Image Processing Engineer — *September 2018 - July 2019*
    - Increased system capabilities by developing modules to process whole slide images of pathological samples using Image Processing, Computer Vision and Machine Learning algorithms that automated the user workflow in pathology labs

VOLUNTEER EXPERIENCE

- **Student Volunteer for Computer Science Conferences - TAPIA 2022, COMPASS 2022**
- **Trail Maintenance Work with Outdoor Club at Virginia Tech, 2022**
- **Ashoka Alumni Mentor 2021** advised students around the relevance of an interdisciplinary career and opportunities in tech
- **Teaching Volunteer, Barefoot Edu, September 2020 - March 2021**
    - Assisted a government school in Maharashtra, India in online transitioning during the pandemic
    - Engaged around 30 primary-grade students in the subjects of History and Environmental Studies

LEADERSHIP AND AWARDS

- **Dewang Mehta IT Award, 2018**
    - Led a team of three to build a self-driving car system that was recognized as one of the best-in-class, innovative and socially impacting initiatives within the IT sector in the state of Gujarat, India from a pool of 112 Engineering projects
    - Presented the system implementation in a golf car at the Vibrant Gujarat Start-Up and Technology Summit 2018
- **Winner of Smart India Hackathon, 2017**
  Selected from 40 teams across the nation for building and presenting a working prototype of a smartphone application to translate sign language to speech and text and vice versa by working in a team of six for 36 continuous hours
- **Earned a Bachelor of Arts in Indian Classical Dance - Bharatnatyam**
  Completed 7+ years of formal training to learn both theory and practice of the art form

TECHNICAL SKILLS

- **Practiced Areas:** Human-Computer-Interaction, Machine Learning, Computer Vision, Natural Language Processing, Data Analysis & Visualization, Statistics, Design Thinking, Problem Solving, Critical Thinking, UX, Agile
- **Languages:** Python, C/C++, SQL, JAVA, JavaScript
- **Tools:** MySQL, PostgreSQL, SVN, GIT, Odoo-12, API-Integration
- **OS & Platforms:** Linux, Mac, Web, Windows, AWS