

Varun Joshi

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EDUCATION

Georgetown University, Walsh School of Foreign Service | GPA: 3.61 / 4.0 | Washington, DC
B.S. in Science, Technology, and International Affairs; Minor in Computer Science

August 2019 – May 2023

Relevant Courses: Data Structures | Algorithms | Machine Learning | Network Security | Distributed Systems | Advanced Chinese

EXPERIENCE

Software Engineering Intern – Digisure.ai

June 2022 – August 2022

B2B startup offering “Protection-as-a-Service” platform for vehicle lending marketplaces

- Developed and deployed a full-stack web application connected to a Slack bot to automate and record assignment of 7 engineers to client tickets (JS, Slack API, Heroku)
- Implemented Slack scripts to workflows via REST API to swap engineers’ schedules and tickets they were responsible for (JS, Bolt)
- Created electric vehicle protection product strategy resulting in partnership with Autonomy

Product Management and Business Growth Intern – Digisure.ai

June 2021 – August 2021

- Assembled pitch deck used by company leadership to secure \$13.1 million pre-series seed funding and acquire largest client
- Increased database search results by 67% per query after redesigning UX with data science team to show more information per result
- Managed cross-functional team to develop new injury recording features; drafted 16 user stories after conducting interviews, prioritized 8 features with engineering, collaborated with designers for app integration

PROJECTS

Personal Portfolio Website (React, Bootstrap, HTML, CSS): www.thevarunjoshi.com

Co-Developer – YouDoIt

June 2023 – Present

Mobile full-stack application (PostgreSQL, Express, React Native, Node.js)

- Developing full-stack mobile application for users living in shared environments to easily create and share tasks
- Accepted into school’s incubator club for undergraduate startups; conducted A/B tests and customer interviews to improve UI

ML Image Processing Pipeline

- Designed and constructing pipeline to acquire, load into memory, pre-process, manipulate, and segment raw images
- Implemented data structures with NumPy, processed via algorithms such as Gaussian Image Processing, utilized image segmentation techniques like Histogram of Oriented Gradients

Machine Learning Bias Detection

A series of ML models to predict regional focus of a college class given the class’s description with up to 72% accuracy (Python)

- Created a natural language processing pipeline to cut stop words, stem words, and format course descriptions into uni- and bi-grams
- Utilized classification models like linear support vector machines, logistic regression, multinomial naive bayes, and random forests
- Analyzed model errors and studied correlation of key phrases using confusion matrices, chi-squared tests, and precision and recall

EXTRA-CURRICULARS

Co-Founder, Co-Manager – Guzaarish

August 2019 – Present

Competitive collegiate Bollywood-fusion dance team

- Found team, grew 300% in 3 years; developed 3-year strategy for competitive readiness despite hybrid environments
- Raised \$28,000+ in one year by creating restaurant sponsorships and fundraising campaigns resulting in attending national competitions without out-of-pocket expenses

Senior Venture Accelerator Project Manager – Georgetown Ventures

September 2020 – Present

Student-run startup accelerator providing undergraduate entrepreneurs with consulting services and professional mentorship

- Produced \$10,000 partnerships with bars for GTM strategy of social networking app in 3 cities (DC, Miami, NYC)
- Acquired \$20,000 seed funding after modifying product specifications and marketing for sustainable bathroom products startup
- Increased CTR by 20% on Snapchat ads by narrowing target audience; modified price ladder to increase revenue

SKILLS

C++, Java, HTML / CSS, Node.js, Swift, Python, Git, REST, Chinese, Hindi, Figma, Confluence, Agile, Jira