DEVARSH BAGLA

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EDUCATION

Brandeis University Waltham, MA

B.S. Computer Science and B.S. Economics (FinTech), Minor in Finance *Expected May 2030*

- CS Honours Thesis track; Presidential Scholarship (merit); Business and Economics Scholars Program
- Coursework: Advanced Programming in Java, Designing and Analyzing Games, Microeconomics, Calculus

EXPERIENCE

Junior Project Manager, DeisHacks Oct 2026 – Present

Brandeis's social-good hackathon, founded 2017: nonprofits bring real problems to student teams *Waltham, MA*

- Lead DeisHacks 2027 (Feb 26–28) with the senior project manager; interviewed 9 applicants and brought on 7 organizers across 6 committees
- Designed and ran Create for a Cause, the launch event: about 30 students, many non-technical, built their own ESP32 Tamagotchi; won 2 campus grants ($400) to fund it and pre-soldered every board
- Pitch companies for sponsorship and table across campus for sign-ups; confirmed as senior project manager for 2027–28

Web Developer and Tech Lead, BEES Network Ltd. Apr 2025 – Jul 2026

SEBI/AMFI-registered financial advisory and wealth management firm, founded 2000 *Kolkata, India*

- Rebuilt the firm's website solo in 2 months after a crash had taken it offline; HTML5, vanilla JavaScript, PHP forms, esbuild and a GitHub Actions deploy; the firm later had its agency build the replacement from it
- Wrote a Python script that pulls official NSE and BSE data for five indices into the firm's Excel template daily, replacing about 30 minutes of manual entry every trading day (about 120 hours a year)
- Built a WhatsApp enquiry flow for global-stocks clients whose preset answers covered about 90% of client questions
- Diagnosed and fixed bufferbloat on the office network with router QoS

Design and Innovation Student Worker, Brandeis Library Oct 2026 – Present

MakerLab, Automation Lab and Digital Scholarship Lab *Waltham, MA*

- Hold weekly open hours helping students with their own projects; onboarding in the Automation Lab

PROJECTS

PrintSim | *Live web app, printsim.devarshbagla.com* 2026

- Simulates a 3D print live from its .bgcode file for the MakerLab's non-networked Prusa printers; finishes within about 2 seconds of the real print and shows the simulated fall when a part has unsupported overhangs

Live Market Map | *devarshbagla.com/stock, Cloudflare Pages Functions* 2026

- Heatmap of 95 large US stocks sized by market cap, refreshing quotes every 4 seconds during market hours, with 1D to 1Y charts, session replay from 5-minute bars and after-hours coloring

Task Board and NextUp | *Cloudflare Workers, D1, C# / .NET WPF* 2026

- Private to-do app with passwordless sign-in, scheduled AI ranking runs and an hourly job that turns school emails into tasks
- NextUp, its Windows 11 taskbar widget: live countdown to the next task, recovers on its own after Explorer restarts; cut idle CPU from about 7% to 0.57% of one core

deskpulse | *Haptic alerts through laptop speakers, in progress* 2026

- Wired an accelerometer to an Arduino and ran 6 frequency sweeps to find a tone (104 Hz) that shakes the palm rest while staying about 20 dB below room noise

Churn Prediction Study | *Sole author, IJSER Vol. 13 Issue 10, WEKA* Oct 2025

- Benchmarked logistic regression, random forest and a neural network on 64,374 customer records; the neural network reached 94.1% accuracy and 95.7% ROC-AUC

SKILLS, HONORS, AND ACTIVITIES

Technical: Python, HTML/CSS, PHP, Cloudflare (Workers, D1, Pages), GitHub Actions, Arduino, ESP32, WEKA, Excel, Figma; AI-assisted development with Claude Code and Cursor

Honors: Possible x Brandeis Tech Career Accelerator, certificate with Top Engagement badge (2026); 2nd place, Debate and Elocution (Scindia)

Activities: BETA (Brandeis Entrepreneurship and Tech Association); Fueladream campaign founder, raised 290% of goal for menstrual products in Rajasthan; ByteBuilders mentor, 15 students

Languages: English, Hindi, Bengali (fluent); French (basic)