

Ayaan Malik

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EDUCATION

Purdue University

Bachelor of Science in Computer Engineering | **GPA: 3.79**

West Lafayette, IN

Aug. 2025 – May 2028

WORK & LEADERSHIP EXPERIENCE

JobAiro

Founding Software Engineer Intern

Remote

June 2026 – Aug. 2026

- Improved platform stability by identifying and resolving 30+ bugs through self-directed end-to-end testing, while maintaining compatibility with a 200-test suite and adding 5 new frontend tests
- Built core product experiences across 8 React pages and a 5-tab dashboard, implementing candidate workflows for analytics, saved, hidden, and applied jobs
- Improved usability and visual consistency across all 8 product pages by refining 30+ React components and resolving 25+ UI inconsistencies in layout, responsiveness, styling, and interaction behavior

STREM HQ Tech Academy

Computer Science Tutor

Remote

Aug. 2025 – Present

- Delivered 150+ one-on-one Python and Java tutoring sessions to 7 students ages 12–14, teaching programming fundamentals including functions and object-oriented programming across beginner and advanced skill levels
- Guided 5 Python students to complete programming projects by adapting structured course material to each student's pace, skill level, and learning needs

IEEE-SMC

Machine Learning Lead

West Lafayette, IN

Aug. 2025 – Present

- Led an 8-member machine learning team supporting concussion detection research, directing model development, feature engineering, and training on collected research data
- Directed the team's participation in the PNPL 2026 Kaggle competition, developing ML models for cross-subject word classification from MEG signals to advance non-invasive speech decoding
- Developed a function to filter human-motion artifacts from EEG data, improving concussion detection accuracy

PROJECTS

e-z.rsvp | 2nd Place, DeveloperWeek NY Hackathon

ez-rsvp.vercel.app

- Achieved 2nd among 85+ submitted projects at the DeveloperWeek NY Hackathon by shipping 11-page web and 4-tab native iOS applications in 2 weeks as a 2-person team using Next.js, TypeScript, and Swift
- Built 9+ end-to-end user flows for event discovery and ticketing, implementing 3 preference filters, 4 sorting options, mystery-mode event reveals, and Stripe-powered checkout
- Delivered a complete event RSVP experience spanning authentication, event discovery, payment, social features, and ticket management by integrating Google Cloud authentication, Supabase, and Stripe

Gradient Descent | Honorable Mention, Reddit Hackathon

devpost.com/software/gradient-descent-1hjez6

- Achieved 1 of 10 honorable mentions from 700+ Reddit Hackathon submissions by building a Reddit-native puzzle game in a 2-person team where players navigate a spaceship using mathematical equations
- Built a 30-level campaign and UTC-based daily challenge system in Phaser, Devvit, and TypeScript, automatically generating a new puzzle every 24 hours without manual content updates
- Implemented competitive and user-generated gameplay across 5 core flows and 30 campaign levels through Reddit-linked leaderboards, daily challenges, and a customizable public level editor.

Docs Easy Copy

chromewebstore.google.com/detail/objlnnkkkhockbjcddlbkpfjpnampcgb

- Simplified Google Docs duplication by eliminating 2 steps from the native workflow, gaining 450+ organic installs and 850+ impressions with a Chrome extension that adds one-click document copying
- Implemented event-driven DOM manipulation to detect dynamic page-state changes and inject native-style functionality into Google Docs without disrupting existing interface behavior

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, HTML/CSS, C/C++, MATLAB, SQL

Frameworks: React, Next.js, Node.js

Developer Tools: Git, GitHub, Visual Studio Code, PyCharm, Vercel, Codex

Libraries: PyTorch, pandas, NumPy, Matplotlib