

# Oorjit Chowdhary

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## EDUCATION

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### University of Washington, Seattle

Aug 2022 – June 2026 (expected)

Bachelor of Science in Electrical & Computer Engineering and Economics

GPA: 3.51 (3x Dean's List) | Minors: Data Science, Applied Mathematics

Coursework: Data Structures & Algorithms, Database Systems, Linear Algebra, Macroeconomics, Antitrust in Tech

## EXPERIENCE

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### Cloud Computing Intern, UW eScience Institute

Feb 2024 – Present | Seattle, WA

- Investigating GCP & Azure Spot Instance VMs stability for research computing to save 80% in overhead costs.
- Spearheading authoring consolidated technical resources and facilitating responsible and optimal cloud usage.

### Technical Systems Organizer, UW DubHacks

Feb 2023 – Oct 2023 | Seattle, WA

- Built critical infrastructure on IDs, project judging, and prizes streamlining hacker experience for 1K+ hackers.
- Developed hackathon administration portal and Discord bot enabling strategic communications with judges.

### Product Research Intern, HDFC Securities

Jul 2023 – Sept 2023 | Mumbai, India

- Researched leading online brokerages across US, Europe, and India for functional and competitive benchmarking.
- Evaluated Gen Z consumer behavior, recommending business insights in equity trading & platform overhauls.
- Analyzed trends in data-driven investing and potentially disruptive scopes for generative AI in brokerage tools.

### Software Development Fellow, Major League Hacking

Jul 2021 – Aug 2021 | New York, NY

- Built VS Code extension using NLP, RabbitMQ, and TypeScript enhancing developer productivity and routine.
- Demonstrated Vercel Functions serverless architecture that eliminated \$500 deployment infrastructure costs.

### Software Developer, Google Open Source

Oct 2018 – Jan 2019 | Remote

- Invited to Google HQ as youngest winner (3K participants) for technical contributions to environmental nonprofit.
- Migrated Rails architecture to OAuth 2.0 and redesigned site-wide login UX with Google Material elements.
- Scrutinized 36 bugs on CMS workflows with usability testing and devised click-sensitive tutorials for new traffic.

## PROJECTS & ACHIEVEMENTS

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### [Know Your Traveler](#) — National Finalist at Microsoft Imagine Cup India

- Conceptualized privacy-first digital health ID for post COVID travel. Developed secure middleware REST API.
- Implemented RT-PCR tests validation using Azure Cognitive Services & Health Analytics on Node.js & Flutter.
- Formulated GTM strategy and pitched to 200+ frequent flyers, receiving a ~90% endorsement rate.

### [Klear](#) — Ideate for India Appreciation, Govt of India Ministry of Electronics & IT

- Proposed mobile startup enabling in-house waste management via TensorFlow ML convoluted neural networks.
- Incentivized citizens by offering retail credits and personalized DIYs, leading to a ~15% waste reduction overall.

### [VS Code DMs](#) — Top 15 Products of the Day, Product Hunt (800+ installs)

- Launched realtime socket.io direct messages & group chats VS Code plugin, augmenting code collaboration.
- Enabled efficient image sharing with paste-to-share uploading and image URI rendering using Firebase Storage.

### [ARM Commercial Services](#) — Democratizing financial services in rural India

- Engineered MERN-based B2C cross-platform product, leveraging India's last-mile network for credit & banking.

## TECHNICAL SKILLS

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**Languages:** Python, Java, SQL, Bash, JavaScript, TypeScript, C, Dart, HTML, XML, YAML, CSS, LaTeX

**Tools/Frameworks:** Git, SciPy, NumPy, Flask, Django, Node.js, React, Svelte, Firebase, MongoDB, Redis, PostgreSQL, Flutter, React Native, Android, Heroku, Azure, Google Cloud