

# Purit Butsapak

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## EDUCATION

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### Cornell University

Ithaca, NY

*Bachelor of Arts in Computer Science | Masters of Engineering in Computer Science*

Aug. 2021 – May 2025

GPA: 4.00 | Honors: Meinig Family Cornell National Scholar, Dean's List

**Relevant Coursework:** OOP & Data Structures, Functional Programming, Computer System Organization, Analysis of Algorithms, Databases, Computer Vision, Data Driven Web Applications, Discrete Structures

## TECHNICAL EXPERIENCE

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### Software Lead (Imaging Systems)

Oct. 2021 – Present

*Cornell University Unmanned Air Systems*

Ithaca, NY

- Lead a cross-functional subteam of 8 members, facilitate weekly meetings and work sessions, plan sprints, and create timelines to meet competition objectives
- Spearheaded a React.js frontend overhaul to streamline target tagging by 200% using PIL-generated synthetic thumbnails, hotkeys, and drag and drop functionality
- Developed REST APIs with Spring Boot to send interpolated geolocation, images, and target classifications from PostgreSQL database between systems

### Software Engineering Intern

Jun. 2023 – Aug. 2023

*Ford Motor Company, FPI Data Platform*

Dearborn, MI

- Created and deployed a data lineage application to compare and validate vehicle data stored across BigQuery, BigTable, Redis cache, and a fleet management API by leveraging Spring Boot microservices and CI/CD pipelines
- Designed a frontend interface with React/Redux to query and visualize vehicle data by VIN and highlight any discrepancies in latency and/or signal value between data stores

### Full Stack Developer

Sep. 2022 – May 2023

*Tourable*

Ithaca, NY

- Developed a full-stack web virtual college tour platform using React.js, Node.js, MongoDB, and AWS ECS
- Implemented logic to fetch and store 360° videos from S3 buckets and display on frontend page
- Incorporated Google Maps API to provide an interactive street view display of college campuses

### Software Engineering Intern

May. 2022 – Aug. 2022

*UniPantry Corporation*

Ithaca, NY

- Developed a social media food app in an Agile environment utilizing React Native and JavaScript/CSS
- Implemented recipe reviews, ingredient classification/swaps, user profile expansion, and UI/UX enhancements
- Collaborated with developers to integrate Google and Yelp APIs using Express.js and deployed on Heroku

## ADDITIONAL EXPERIENCE

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### Academic Subteam Lead

Oct. 2022 – Present

*Association of Computer Science Undergraduates*

Ithaca, NY

- Organize events including research night, faculty awards, and alumni panels to engage the Cornell CS community
- Coordinate with ACSU e-board and CIS department for funding, approval, and publicity

### Teaching Assistant

Aug. 2022 – Present

*CS 3110: Functional Programming and Data Structures*

Ithaca, NY

- Assist students during office hours, serve as PM for project groups, and grade exams and assignments

### Vice President

Sep. 2021 – Present

*Cornell Thai Association*

Ithaca, NY

- Organize community-engaging events such as food tastings, cultural performances, and mentorship programs
- Plan meetings, propose budgets, and collaborate with other student organizations and Cornell administration

## TECHNICAL SKILLS

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**Languages:** Java, Python, JavaScript/TypeScript, OCaml, Kotlin, C, Rust, HTML/CSS, SQL

**Frameworks:** Spring, React.js, Redux, Node.js, Flask, Django

**Developer Tools:** Git, AWS, Google Cloud Platform, MongoDB, Docker, Heroku, Jenkins, Cloud Foundry, Jira