

Maanas Gopi

Raritan, NJ

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EDUCATION

University of Maryland

College Park, MD

Pursuing B.S. in Computer Science, Minor in Economics

Expected Graduation: May 2027

- **Relevant Coursework:** Data Structures & Algorithms, OOP, Multivariable Calculus, Discrete Math

EXPERIENCE

Software Development Engineering Intern

June 2025 – Aug. 2025

Enfusion

New York City, NY

- Engineered a multithreaded order-fill blotter handling **150+ FIX msgs/sec** (Java/Spring), now powering daily workflows for **850+ institutional clients** and QA/PM teams
- Built a real-time regression reporting tool (Python/HTML) integrated into Jenkins CI/CD, cutting test feedback from 7 hrs to instant diffs, adopted org-wide

Software Engineering Intern

Aug. 2024 – Nov. 2024

Sports Media Inc.

Severance, CO

- Developed an interactive analytics site using React.js to track **500+** advertising clients (Minor League Baseball, etc.)
- Implemented backend services in Python/FastAPI with Twilio voicecall tracking, processing **50+ client requests/day**
- Deployed on cloud infrastructure with Kubernetes for scalable client handling.
- Delivered **10+ production React features** for subsidiary pages, improving client engagement and data visibility.

Director of Operations

Feb. 2022 – Sep. 2024

iCode School

Bridgewater, NJ

- Engineered standardized coding curriculum (Python, Java, ML, web dev) deployed across **75+ national franchises**, ensuring consistency in software projects and assessments
- Developed internal teaching tools and project templates (Python/Java/JS) to streamline instruction; mentored **200+ students** on full-stack and ML applications through hands-on projects

PROJECTS

YouTube Type Beat Automation App | JavaScript, Node.js, Cheerio, YouTube OAuth2 API

June 2025 – Present

- Automated BeatStars → YouTube publishing pipeline with metadata extraction, thumbnail generation, and direct uploads (Node.js, OAuth2 API), streamlining music producer marketing workflow
- Adopted by multiple music producers; generated content with **7M+ collective views** and improved publishing speed by **10x**

Adaptive Poker GTO Chart Simulator | React, JS, HTML/CSS

Nov. 2024 – Present

- Built an interactive web app that adjusts poker GTO ranges dynamically based on opponent statistics and real-time inputs
- Implemented Monte Carlo EV simulations (**200–2000 trials**) across 169 hands, running up to **15 hands/sec** in-browser without external compute
- Visualized range adjustments and equity outputs directly in React for an intuitive strategy dashboard

Employee Registry Database | AWS, MySQL, Docker, Kubernetes

May 2024 – Sep. 2024

- Deployed full-stack employee registry system on AWS (EC2 + RDS + S3) with Docker containers orchestrated via Kubernetes for scalability
- Implemented live routing (Route 53) and persistent MySQL storage with secure login/authentication features
- Adopted by a county 4H community center, supporting **120+ active employee accounts** and streamlining day-to-day HR operations

TECHNICAL SKILLS

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

Frameworks: React, Node.js, JUnit, GitHub, Next.js, Express, Jenkins

Developer Tools: React, Node.js, Next.js, FastAPI, Express, Spring, JUnit, Jenkins, Git, Docker, Kubernetes, AWS, Azure (Certified), CI/CD

Libraries: pandas, NumPy, TensorFlow, PyTorch, xgboost, Matplotlib

Skills: Cloud Computing, DevOps, Generative AI/ML, Network/Information Security, Agile, APIs, Testing/QA, Problem Solving, Communication Skills