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, Object Oriented Programming, Multivariable Calculus, Discrete Math

EXPERIENCE

Software Development Engineering Intern   June 2025 – Aug. 2025
Enfusion   *New York City, NY*
- Built a multithreaded Java/Spring order-fill blotter for the OEMS fintech team, **simulating 150+ FIX msgs/sec;** now used by **850+ clients** and internal QA + portfolio management team
- Developed real-time regression reporting tool (Python/HTML) integrated into a CI pipeline (Jenkins) for automated testing for PMS team, cutting 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*
- Directed curriculum for **75+ franchises** and **taught 200+ students** in Python, Java, web development, and ML.

Front-End Development Intern   June 2021 – Aug. 2021
eMedEvents   *Somerville, NJ*
- Prototyped and redesigned site interaction flows in Figma, improving UX for **150K+ users.**
- Built **20+ production components** using HTML, CSS, and JavaScript.

PROJECTS

YouTube Type Beat Automation App | *JavaScript, Node.js, Cheerio, YouTube OAuth2 API*   June 2025 – Present
- Automated BeatStars storefront → YouTube video publishing pipeline with metadata extraction + direct uploads.
- Adopted by multiple music producers; generated videos **with 7M+ collective views.**

Adaptive Poker GTO Chart Simulator | *React, JS, HTML/CSS*   Nov. 2024 – Present
- Built a dynamic web app that adapts GTO poker ranges in real time, adjusting to opponent statistics.
- Implemented Monte Carlo EV simulations **(200–2000 trials)** across 169 hands, running at up to **15 hands/sec** in-browser.

Employee Registry Database | *Amazon Web Services, MySQL, Linux/Ubuntu*   May 2024 – Sep. 2024
- Deployed full-stack employee registry site on AWS (EC2 + RDS + S3), containerized with Docker and orchestrated using Kubernetes.
- Adopted by a county 4H community center, supporting **120+ employee accounts** with live routing via Route 53 and persistent MySQL storage.

Real Estate Evaluator Tool | *Python, TensorFlow, pandas*   May 2024 – Aug. 2024
- Developed a home evaluation tool based on square footage, bathrooms, acreage, etc. for lower tax-bracket communities.
- Fit data using a TensorFlow's random forest regressor model trained on township's home information database.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, C#, SQL (MySQL), JavaScript, HTML/CSS, R
Frameworks: React, Node.js, JUnit, GitHub, Next.js, Express, Jenkins
Developer Tools: Git, VS Code, Microsoft Azure Certified, AWS, Eclipse, Jupyter, Jira/Confluence, Kubernetes
Libraries: pandas, NumPy, Matplotlib, TensorFlow, xgboost
Skills: Cloud Computing; CI/CD; DevOps; Generative AI/ML; Network/Information Security; Agile Methodology; APIs; Communication Skills; Problem Solving