

Arjun Bojja

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PORTFOLIO 🔗 <https://arjun-bojja-portfolio.web.app>

SUMMARY Information Science student (4.0 GPA) with internship experience at Capital One building cloud-native systems using Python, AWS, and Docker. Skilled in backend development, algorithms, and scalable application design. Passionate about engineering solutions that improve reliability, performance, and user experience. Seeking software engineering and product management opportunities in cloud systems, backend development, and data-driven applications.

EXPERIENCE **Capital One** Jun 2025 - Aug 2025
Software Engineering Intern McLean, VA

- Built and deployed a **cloud-native monitoring tool** (Python, AWS Lambda, ECS Fargate) that **improved API/site uptime** and **reduced downtime risk**, ensuring **24/7 uptime** for internal business apps used by 500+ employees.
- Designed Dockerized, event-driven services for **automated health checks**, cutting manual monitoring time by **~40%**.
- Integrated **New Relic** dashboards for telemetry and performance metrics, accelerating incident response time.
- Collaborated with a 6-person Business Cards & Payments Tech team to deliver production-ready systems.

EDUCATION **University of Maryland, College Park** Expected 2027
Information Science Bachelor of Science
GPA: 4.0/4.0

- Awards:** Presidential Scholar, Distinguished Dean's List (Fall 2024, Spring 2025)
- Relevant Coursework:** Data Structures and Algorithms; Database Design (MySQL); Machine Learning in Communication; Statistics for Information Science (R); Object-Oriented Programming for Information Science; Organizations, Management, and Teamwork; Information Organization, Entrepreneurial Opportunity Analysis

PROJECTS **StudyBuddy Scheduler**
🔗 [GitHub](#)

- Developed a **full-stack scheduling app** (ReactPy, FastAPI) with multiple scheduling **algorithms** to optimize study time.
- Enhanced user engagement by integrating **ZenQuotes API** for daily motivational content.
- Added schedule export (CSV/TXT) and unit testing with **PyTest** for reliability.
- Visualized** productivity insights using Matplotlib to help users track time allocation.

Gochi (Roblox)
Technical Director & Programmer

- Launched a Roblox game that attracted **1,000+ active users** in its first month.
- Directed a 5-person team to build a Node.js/Express backend integrated with Lua game logic and analytics APIs.
- Reduced in-game latency by **20%** using the Knit framework, improving gameplay experience.
- Implemented queue/order management systems that **boosted efficiency by 25%**.

TECHNICAL SKILLS **Languages & Frameworks** Python, Java, JavaScript, TypeScript, MySQL, React, FastAPI, Node.js, Express, REST APIs, Serverless Framework, R, Lua

Tools & Libraries AWS (Lambda, ECS, Fargate, CLI), Docker, DigitalOcean, Git/GitHub, Visual Studio Code, SQLite3, PyTest, Pandas, NumPy, Jupyter Notebooks, TensorFlow, PyTorch, Matplotlib, Uvicorn, New Relic