

# NOMAR RODRIGUEZ

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## SUMMARY

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Results-driven Backend Software Engineer and CS M.S. candidate. Specialized in API design, data pipelines, and ML integration. Contributed to BullyBlock on a 7-person team with a proven ability to ship reliable, secure, and well-tested services.

## EXPERIENCE

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### Backend Software Engineer (BullyBlock — Capstone Project) 2024-08 - 2025-05

Old Dominion University • Norfolk, VA

- Co-built BullyBlock on a 7-person team; owned backend services and data pipelines for a Canvas-integrated cyberbullying detection system.
- Designed REST APIs and MongoDB schemas; automated ingestion of LMS posts/images and orchestrated Python-based NLP inference and incident publishing.
- Improved reliability and security with validation, auth, rate limiting, logging/metrics, and test/CI workflows; delivered clear setup docs and scripts.

## EDUCATION

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### Bachelor of Science in Computer Science

2023-08 - 2025-08

Old Dominion University • Norfolk, VA

GPA: 3.62/4.0

- DoD Cyber Service Academy (CSA) Scholar; Linked B.S./M.S. pathway (began M.S. in 2025).
- Capstone: BullyBlock — contributed on a 7-person team; led backend services and data pipelines.
- Core coursework: Operating Systems, Databases, AI/ML, Computer Networks, Software Engineering.

### Associate of Science in Computer Science

2021-08 - 2023-05

Tidewater Community College • Virginia Beach, VA

GPA: 3.3/4.0

- Foundation in programming, data structures, and discrete math; projects in Python/C++/Java.
- Transferred to ODU to complete B.S. in Computer Science.

## SKILLS

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JavaScript • Node.js • Python • C++ • SQL • Express.js • MongoDB • JWT • Git • Linux • REST APIs • Data Pipelines

## PROJECTS

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### BullyBlock — Canvas Cyberbullying Detection

Technologies: Node.js (Express), Python (NLP), MongoDB, REST APIs, Git, Heroku, AWS, Python Website/

- Backend contributor on a 7-person team; built APIs, data pipelines, and model orchestration.
- Automated ingestion of LMS posts/images and ML severity scoring; published incidents to the dashboard.
- Improved reliability and security with validation, auth, logging, and tests.

## CERTIFICATIONS

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