

Arnav Dashaputra

Princeton, New Jersey • Mobile: (908) 952-8341 • Email: arnav.dashaputra@gmail.com

Website: <https://dashaputra.net> • LinkedIn: <https://linkedin.com/in/dashaputra> • GitHub: [ArnavD74](https://github.com/ArnavD74)

EDUCATION

Rutgers, The State University of New Jersey

New Brunswick, NJ

Bachelor's degree, Computer Science – Rutgers University School of Arts and Sciences.

January 2025

- **Minor:** Data Science.

Relevant Courses: Linear Algebra, Calculus II, Data Structures, Algos, Comp. Architecture, Discrete Structures, Software Methodology, Internet Tech, Statistical Inferencing, Machine Learning, Data Mgmt. (SQL), Data in R, Tableau, AI Ethics.

SKILLS

- **Data Science Tools:** Python (Pandas, Scikit-learn, Seaborn, OpenCV, BeautifulSoup, Selenium), R, PostgreSQL, Tableau.
- **Languages & Frameworks:** Java & FXML, HTML/CSS, JavaScript, React, Node.JS, Bootstrap, jQuery, ExpressJS, C#.
- **Other:** Android SDK, Bash, Regex, ASM, Heroku Dynos, LaTeX, GitHub, MS 365, Adobe CC, SEO & Google Analytics.

PROFESSIONAL EXPERIENCE

Full-Stack Developer

Remote

Carevion

March 2025 – Present

- Deployed and configured HAPI FHIR servers on AWS, integrating them with managed PostgreSQL databases; utilized Docker, AWS EC2/RDS, and pgAdmin for secure, scalable, and customized infrastructure provisioning.
- Designed and developed a React-based web application to interface with the FHIR server API, implementing advanced state management, data fetching, and dynamic UI behavior by using React Hooks and TanStack Tables.
- Automated server operations by writing Python scripts for bulk CRUD operations and FHIR resource generation.
- Developed a React application in collaboration with UI designers, using Figma to streamline design integration and updates. Leveraged React Router and custom UI libraries for consistent and seamless navigation.

Computer Laboratory Consultant

New Brunswick, NJ

Rutgers University Office of Information Technology

April 2022 – January 2025

- Diagnosed an average of 50 technical issues per week by using ServiceNow workflows, OpenRegistry and other IDMS, PaperCut and Icinga for print device management, and SecureW2 for network authentication and security.
- Reduced average troubleshooting time by 20% through efficient issue resolution strategies and proactive system monitoring and maintenance; utilized ServiceNow ticketing with Slack for communication and collaboration.

Regional Director, Lead Hiring Manager, Systems Developer

Bridgewater, NJ

Code Ninjas – Bridgewater, Green Brook, & Hillsborough, NJ

October 2020 – Present

- Improved customer subscription registrations by 70% by designing and authoring innovative programming curricula for over 500 students held during 36 week-long camp sessions across three different branch locations.
- Hired and screened over 60 employees and interns and held workshops improving teaching qualities and skills.
- Increased web traffic by 40% and enrollments by 20% by developing the business's website and implementing SEO strategies including keyword optimization, speed improvements, A/B tests, and data insights from Google Analytics.

Programming Projects

Remote

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June 2020 – June 2023

- Entirely developed a NodeJS-based Discord service to provide advanced moderation and growth utilities to Discord server administrators; utilized various NodeJS libraries to aggregate and deliver real-time data to server users.
- Leveraged virtual private servers and Heroku Dynos for remote administration and dynamic horizontal scaling, ensuring optimal performance for over **300,000 daily users across 500+ unique Discord servers** at its peak.
- Created a landing page using Bootstrap and JavaScript to showcase the service and enhance user engagement; designed all branding and visual assets from scratch using Photoshop, creating a professional brand identity.

LEADERSHIP

Vice President of Communications

Rutgers University, New Brunswick, NJ

Sigma Phi Epsilon, NJ Beta

October 2023 – November 2024

- Boosted online presence by leading a 15% rise in Instagram engagements, and 10% growth in website activity.
- Strategized and executed major projects in consultation with executive board members, earning both the *Benjamin Hobson-Fraser Award for Excellence in Communications* and the *Talent Power Award for Excellence in Recruitment*.

Chief Logistics Manager

Montgomery High School, Skillman, NJ

Team 1403 Cougar Robotics

September 2017 – June 2021

- Led a team of 104 students to secure three consecutive qualifications for the FIRST Robotics World Championships.
- Composed and edited multiple award-winning essays for the FIRST Chairman's Award at local & regional levels.