

Arnav Dashaputra

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SKILLS

- **Data Science:** Python (pandas, scikit-learn, seaborn, OpenCV, BeautifulSoup, Selenium), R, SQL, DynamoDB, Tableau.
- **Languages & Frameworks:** Java/FXML, HTML/CSS, JavaScript, React, Tanstack, Node, Bootstrap, jQuery, Express, C#.
- **Other:** AWS, Android SDK, Bash, Regex, ASM, Heroku, LaTeX, GitHub, Figma, MS365, Adobe CC, Google Analytics, SEO.

PROFESSIONAL EXPERIENCE

Full-Stack Developer

Remote — Middletown, DE

Stealth AI Health-tech Startup

March 2025 – Present

- Engineered cloud-native healthcare infrastructure on AWS, deploying Dockerized data servers with EC2 and RDS/PostgreSQL; optimized provisioning and scalability with pgAdmin, automated configs, and hardened security.
- Built and maintained a production React application, collaborating with Ui/Ux designers (Figma, Photoshop) to deliver secure, modular front-end components and efficient state management for healthcare data workflows.
- Automated backend workflows with custom Python scripts for bulk data ingress and static resource generation.

Freelance Solutions Architect & Full-Stack Developer

Remote — New York, NY

Your Highest Self

April 2025 – Present

- Architected and shipped a serverless SaaS end-to-end: React SPA; AWS Cognito (custom auth triggers + Pinpoint); API Gateway with JWT authorizer fronting Python Lambdas; DynamoDB (user, storage, OTPs); EventBridge for scheduled dispatch; AI content via Gemini; IaC with AWS SAM/CloudFormation, Secrets Manager, and CloudWatch.
- Integrated Stripe Checkout & Billing Portal with webhook processing via Lambda to keep subscription and user state in DynamoDB; implemented least-privilege IAM, CORS/security hardening, and scripted deployments (CI/CD).

Center Director, Lead Hiring Manager

Bridgewater, NJ

Code Ninjas (Bridgewater, Green Brook, & Hillsborough, NJ)

October 2020 – Present

- Hired and trained over 60 employees and interns; held workshops to improve teaching and leadership qualities.
- Improved customer registrations by 70% through authoring innovative programming curricula (Scratch, JavaScript, Unity/C#) for over 500 students, held during 36 week-long camp sessions across three separate branch locations.
- Increased web traffic by 40% and enrollments by 20% by developing the business's website and enhancing SEO through keyword optimization, performance tuning, A/B testing, and data-driven insights from Google Analytics.

Computer Laboratory Consultant

Piscataway, NJ

Rutgers University Office of Information Technology

April 2022 – January 2025

- Diagnosed an average of 50 technical issues per week using ServiceNow workflows, OpenRegistry and similar internal IDMS, PaperCut and Icinga for device management, and SecureW2 for network authentication and security.
- Reduced average resolution turnaround times by 20% through proactive system monitoring, efficient and speedy troubleshooting, and effective prioritization; leveraged ServiceNow with Slack for rapid support coordination.

Vice President of Communications

New Brunswick, NJ

Sigma Phi Epsilon, NJ Beta (Rutgers University)

October 2023 – November 2024

- Boosted online presence with an 18% rise in Instagram engagement and 10% website growth, leading chapter-wide communications strategies and earning the *Benjamin Hobson-Frayer Award for Excellence in Communications*.

INDEPENDENT PROJECTS (files available on GitHub)

K-Means Clustering & Data Preprocessing (Python, scikit-learn, pandas)

- Built end-to-end preprocessing (imputation, encoding, scaling) and implemented K-Means; tuned k with elbow & silhouette scores, then produced EDA and cluster-profile summaries with clear narratives to guide interpretation.

Tangerine — Discord automation & moderation tool (Node.js, Express, MongoDB)

- Built and operated a real-time Discord service for advanced moderation and growth utilities; deployed on Heroku with horizontal scaling and instrumentation, at peak supporting **250K+ daily users across 500+ unique servers**.

FDR Gene Analysis (Python/R)

- Ran large-scale hypothesis tests on NCI60 gene expression, applied false-discovery-rate correction to identify statistically significant genes, generated QQ/volcano plots for significance, and summarized biological relevance.

EDUCATION

Rutgers, The State University of New Jersey

New Brunswick, NJ

- Bachelor's degree, Computer Science, Minor: Data Science.

January 2025

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.