Arnav Dashaputra

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

PROFESSIONAL EXPERIENCE

Full-Stack Developer   **Remote**

Stealth AI Health-tech Startup   March 2025 – Present
- Deployed and configured cloud-native healthcare data servers on AWS, integrating them with PostgreSQL databases; utilized Docker, AWS EC2/RDS, and pgAdmin for scalable and customizable infrastructure provisioning.
- Designed and developed a feature-rich web application in React to interface with internal APIs, with a focus on data handling, security, modularity, and efficient state management; tools include React Hooks/Router, TanStack Tables.
- Automated backend workflows with custom Python scripts for bulk data ingress and static resource generation.
- Collaborated closely with Ui/Ux designers to transform Figma and Photoshop mock-ups into responsive, accessible, and secure React applications. Includes user-facing brand landing pages, internal tools, and functional prototypes.

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 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 troubleshooting, and effective prioritization; leveraged ServiceNow with Slack for rapid support coordination.

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 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.
- 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.

Independent Projects & Research (files available on GitHub)   **Remote**

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 via Mongoose)*
- 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**.

Salary Prediction: LARS vs. Linear Models *(Python, scikit-learn)*
- Designed regression experiments on the ISLR Hitters data comparing LARS and LM; selected a minimal-Cp LARS model, evaluated with cross-validation, and visualized predicted-vs-actual distributions to explain differences in fit.

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.

LEADERSHIP

Vice President of Communications   **Rutgers University, New Brunswick, NJ**

Sigma Phi Epsilon, NJ Beta   October 2023 – November 2024
- Boosted online marketing with an 18% rise in Instagram engagement and 10% website growth, leading chapter-wide communications strategy and earning the *Benjamin Hobson-Frayser Award for Excellence in Communications.*