**DAMIN SHAH**

Jersey City, NJ 07306 | [Daminshah2001@gmail.com](mailto:daminshah2001@gmail.com) | (917) 972-8001 | [LinkedIn](https://www.linkedin.com/in/daminshah) | [GitHub](https://github.com/DaminS19)

**EDUCATION**

**Pace University, Seidenberg School of Computer Science and Information Systems** New York, NY

Master of Science (MS) in Computer Science| **Concentration:** Software Engineering | **GPA:** 4.0

**Institute Of Advanced Research, Gandhinagar** Gujarat, India

Bachelor of Technology (BTech) in Computer Science | **Concentration:** Software Engineering | **GPA:** 8.31/10

**TECHNICAL SKILLS**

**Programming & Scripting Languages:** Python, Java, JavaScript, TypeScript, C++, SQL, HTML, CSS

**Development Tools & Frameworks:** React.js, Next.js, Node.js, Vite.js, .NET Framework, AngularJS, Flutter

**Backend & API Development**: RESTful APIs, GraphQL, Go, Cloudinary, Stripe, Twilio | **Software Verification & Testing:** qTest, JIRA

**DevOps, Networking & Hosting:** AWS (S3, GovCloud), Docker, GitHub, Firebase, Linux Networking Tools, TCP/IP, Active Directory

**Database Management:** PostgreSQL, MySQL, MongoDB, AWS RDS | **Data Analysis:** Tableau, Power BI, Advanced Excel, Power Apps

**PROFESSIONAL EXPERIENCE**

**Pace University, New York, NY** | Software Developer at Career Services September 2023 – December 2024

* Designed and deployed a scalable web application for 15,000+ users to record video responses to interview prompts, enabling seamless submission tracking and in-app feedback functionality using React, Node.js, and Cloudinary.
* Enhanced administrative efficiency by modernizing intelligent agents within an educational platform to automate progress filtering and task reminders, reducing manual outreach efforts across two campuses and increasing task completion rates.
* Developed web app to track 15k+ students’ progress across asynchronous learning modules using React, Vite.js, TypeScript, HTML, & CSS, enabling parsing of data from Excel file, allowing students to input credentials & track modular progress.
* Engineered resource pages & student community hubs in virtual career center using HTML to design interactive interface & map resources to correct pages, allowing on-demand access while providing helpdesk support for 15k+ students.
* Professional development resources, executing social media marketing campaigns to increase student engagement.
* Generate reports using MS Excel to analyze effectiveness of employer outreach strategies, informing team’s employer outreach.
* Manage appointment & workshop scheduling for 14k+ students using Handshake & Outlook for 20+ employees, scoring student assessments in Learning Management System.

**The YMCA of Greater New York, New York, NY** | Web Developer (seasonal) July 2023 – September 2024

* Developed Retool web application to gather data from prospective vendors using MySQL Workbench & AWS S3, optimizing procurement steps ranging from document submission to status review to facilitate vendor approval process.
* Queried Oracle database to validate employee listing in active directory to ensure personnel data accuracy, leveraging Active Directory to manage employee device access while performing hardware/software configuration across branches.
* Managed comprehensive hardware and software configurations across multiple branches, leveraging Active Directory for streamlined employee device access management.
* Update backend server infrastructure for organizational website serving 28 branches across NYC, implementing ADP, As400 IBM, SQL, & Excel to manage member services & transactions, transferring data from IBM & As400 using iConnect.
* Investigate coding errors in response to user tickets sourced through Freshworks & Dataprise ticketing systems, collaborating with Application Development team to resolve issues & ensure site optimization.

**WebZeb Solutions, Gujarat, India** | Software DeveloperJune 2022 – November 2022

* Developed 2 mobile applications using Flutter, resulting in a 20% increase in revenue for the EdTech solution company.
* Collaborated with the design team to create UI for the mobile applications, resulting in a 15% increase in user engagement.
* Implemented various features such as APIs, notifications, and authentication, resulting in a 25% increase in user satisfaction.
* Worked with backend developers to ensure smooth integration of the frontend and backend components, resulting in a 30% decrease in bugs and errors.
* Conducted code reviews and wrote clean, efficient, and maintainable code, resulting in a 40% reduction in code-related issues.

**Webial Technology, Gujarat, India** | Software DeveloperMarch 2022 – May 2022

* Developed a database application software for an Institute/University, resulting in a 40% increase in the efficiency of online payment of fees and related services.
* Facilitated 2000+ students to access and store information about online learning fees, hostel fees, scholarships, library fees, tuition fees, discounts, admission deposits, and transport management fees.
* Implemented a GUI interface for easy visibility and access to all information, resulting in a 30% decrease in the time required to access information.
* Designed and developed a fee receipt generation system using C# Language for managing student fee records, resulting in a 50% reduction in errors in fee receipts.
* Programmed and implemented a login system for analysis or updating student details, resulting in a 40% decrease in unauthorized access to student data.

**ACADEMIC PROJECTS / BUSINESS TECH CHALLENGES**

**VoteTech: Revolutionizing Democracy with Tata Consultancy Services (TCS)** December 2024

* Conceptualized digital voting app to expand voting accessibility in team of UI Designer, Cybersecurity Analyst, & Data Engineer, designing system architecture & presenting solution to TCS Chief Cloud Architect, securing 1st place among 5 competing teams.
* Designed secure user authentication method using AWS Gov Cloud to verify users with government-issued photo ID & MFA, integrating real-time election update page using ReactJS & Restful APIs to keep voters informed of ongoing developments.
* Integrated blockchain to ensure app scalability & security, creating architecture to withstand high-voter load & building Amazon Aurora database to securely store & retrieve voting information for immediate results.
* Developed total cost of ownership (TCO) for entire system design & hosting, factoring in labor, database management, infrastructure, security, & blockchain expenses, receiving praise from TCS tech leadership on feasibility & practicality.

**Commuter App Design & Launch with MTA & NJ Transit** November 2024

* Collaborated in cross-functional team of Software Developers, UI Designers, & Marketing professionals to develop one-stop mobile app for MTA & NJ Transit cross-system travel, presenting system design solution to MTA’s CTO & NJ Transit leadership.
* Developed virtual transit card & refillable wallet integrated with OMNY & ID Visor, designing app functionality using React Native, MS Azure, & Stripe/Auth 0 Gateway, allowing users to bundle & access cross-system tickets in offline environments.
* Presented technical specifications of system design to panel of MTA & NJ Transit tech leaders, receiving feedback from MTA Deput CTO & NJ Transit Mobile Application Lead Developer regarding app feasibility to support.

**Enterprise-level Food Ordering Platform using React, Nodejs, Mongo DB, & TypeScript** September 2024 – December 2024

* Lead development of full stack enterprise-level web app in Agile team of 10, engaging in weekly sprints to design, build, & test features including user registration & authentication, search, pagination, & uploading, enabling users to manage food orders.
* Integrate Google Maps API to support location-based restaurant search, creating payment gateway using Stripe API & leveraging Cloudinary cloud-based storage to manage restaurant image/video uploads.

**Zoho, Data Science Challenge using QuickML Catalyst Platform** June 2024

* Built pipeline using no-code machine learning platform to predict startup success rates, cleaning dataset comprising company financial details, applying XGBoost, Decision Tree, & Random Forest regression models to achieve 81% predictive accuracy.

**Exploratory Data Analysis (EDA) using Python** September 2023 – October 2023

* Collaborated in a team of three using Python, Pandas, NumPy, and Matplotlib to clean Forbes Global 2000 company data, removing null values and visualizing sales, profit, and market value.
* Compared datasets by subgroups using Seaborn Pair Plots & Power Apps to analyze accuracy of visualized trends, loading article data in sci-kit learn linear regression model to predict future market trends.

**Tata Consultancy Services (TCS), Business Intelligence & Data Visualization using Tableau** December 2023

* Cleaned & analyzed client’s global sales & marketing data using Power BI & Tableau, deriving insights to inform marketing strategies including expansion into new regions, presenting analytics dashboard to TCS Business Intelligence team members.

**ACTIVITIES & CONFERENCES**

**Interstride, International Student Support Services,** Panelist November 2024

* Shared firsthand international student perspective in leveraging University resources to support professional development to audience of 100+ international students.

**Interstride, International Student Conference Webinar,** Panelist September 2024

* Discussed intricacies of employment regulations in virtual conference, reaching audience of 100+ international students across United States.

**Pace University, International Student Orientation,** Presenter & Ambassador September 2023 – Present

* Support onboarding of nearly 400 newly admitted international students each academic year, detailing Career Services resources & engaging in group & 1:1 counseling to advise students in acclimating to university-life.