

# Danial A. Bhatti

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## EDUCATION

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### Pace University

B.S. Honors Computer Science, Economics Minor | CGPA 3.62/4.0

New York, NY

Expected: May 2026

## EXPERIENCE

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### KLYR Media

May 2025 - July 2025

#### Software Engineer Intern

New York, NY

- Collaborated with engineers and product leads to build and test machine learning models using **Python, TensorFlow, and scikit-learn**.
- Facilitated in full-stack development for internal tools utilizing **React, Node.js, and REST APIs**, enhancing team productivity.
- Conducted data cleaning and visualization, contributing to scalable **AI solutions tailored for client needs in cloud environments** which improved efficiency by 40%.

### StudyFetch

Feb 2025 - May 2025

#### Software Engineer Intern

New York, NY

- Developed and deployed **3 full-stack AI-powered** educational tools using the **MERN stack**, improving learning engagement for over 5000 student users
- Built and deployed a generative AI tutoring platform using **LangChain.js, RAG pipelines, and Pinecone** for semantic retrieval, enabling real-time, context-aware responses to educational queries. Integrated **CI/CD with GitHub Actions** and **Flask** backend to support automated deployment at scale.
- Created **RESTful APIs** to manage user-generated study content, enabling efficient **CRUD** operations at scale

### Total Construction Corporation

Sept 2023- Feb 2024

#### Software Engineer Intern

New York, NY

- Partnered with non technical stakeholders to gather requirements and deliver full stack **MERN** implementations, deployed on **GCP** via **Terraform IaC** and **GitOps** for scalable, repeatable provisioning.
- Increased client outreach efficiency by 90% through tailored web integrations and automation
- Implemented form validation, user auth, and role-based access in admin portals using **JWT** and **Express middleware**

## LEADERSHIP

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### Software Engineering Club

Sept 2023- Present

#### CoFounder

Pace University

- Co-founded the university's first Software Engineering Club to promote hands-on coding, project collaboration, and peer mentorship
- Organized **10+ technical workshops** and coding sessions on web development, **Git**, and AI tools, increasing engagement by 200%

## PERSONAL PROJECTS

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### SwiftT - Ticketing Platform

- CRUD functionality built with **Node.js, Express.js, and MongoDB**. Used Webhooks to process **Stripe API payments**
- Implemented role-based access control (**RBAC**) to restrict user permissions and enhance system security
- Implemented React.js to make the responsive front-end and **DOM**

### Food Recognition AI Model

- Utilized **TensorFlow** to develop image recognition machine learning models for large datasets
- Developed and tuned deep-learning models for image classification using **TensorFlow** and evaluated performance with precision/recall metrics and deployed inference endpoints via **Docker**
- Evaluated model performance with confusion matrices, precision/recall, and **ROC-AUC** scores

### All In One GPT

- Designed and deployed scalable AI SaaS platform with secure multi-user authentication and tiered access using **Clerk.js**
- Integrated vector database (**Pinecone**) with **LangChain** for fast embedding-based retrieval in **RAG** pipeline
- Implemented Stripe for billing and subscription handling and supported Webhooks for automated user provisioning

## ADDITIONAL SKILLS

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- **Certifications:** Microsoft Office 365 Specialist Certified & Amplify Me Financial Accelerator
- **Languages:** JavaScript, Typescript, Python, Java, SQL, R, MongoDB, PrismaDB, C++, .NET
- **Frameworks:** MERN, Node.js, Express.js, LangChain.js, TensorFlow, Clerk.js, Tailwind CSS, Stripe, OAuth 2.0, JWT, REST APIs, GraphQL, GCP, CI/CD, SCRUM, AGILE