

Deep Shah

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SUMMARY

Junior Computer Science student at NJIT with hands-on experience building scalable full-stack web apps using React, Next.js, and Node/NestJS. Skilled in API development, cloud deployment (GCP, Firebase), and database design (PostgreSQL, MySQL). Proven ability to deliver production-ready features, collaborate on team projects, and adapt to new technologies quickly.

EDUCATION

New Jersey Institute of Technology, Newark, NJ

May 2027

B.S. in Computer Science (*Dean's List* — Fall 2023, Spring 2024)

Coursework: Data Structures and Algorithms, Linear Algebra, Database Design and Management, Probability and Statistics, E-Commerce Technology, Linux Programming.

SKILLS

Languages Javascript, Typescript, Python, Java, HTML, CSS, C, C++

Frameworks: Node.JS, React.JS, Next.JS, Express.JS, NestJS, TailwindCSS

Databases: PostgreSQL, MySQL, MongoDB

Tools: Docker, Git, Firebase, Google Cloud, Postman

PROJECTS

YouTube Clone | *React.js, Next.js, Express.js, Firebase, Google Cloud, Docker, TypeScript*

- Developed a YouTube-inspired web application featuring video upload, processing, and streaming capabilities.
- Deployed containerized services with Docker on Google Cloud Run, optimizing resource allocation with serverless infrastructure. Designed and integrated a custom API for managing video metadata and status updates in Firestore.
- Built a backend video processing pipeline using Node.js and Google Cloud Functions to handle file uploads, format conversions, and storage on Google Cloud Storage. Integrated Firebase Authentication for user sign-in and personalized features.

Trello Clone | *React.js, NestJS, TypeScript, Chakra UI, PostgreSQL, TypeORM*

- Engineered a fully responsive project management platform with intuitive inline editing for features and user stories, leveraging React.js + Chakra UI for a seamless, mobile-friendly user experience.
- Designed and deployed secure RESTful APIs in NestJS with JWT authentication and PostgreSQL persistence, enforcing granular access control and maintaining data integrity through robust TypeORM entity relationships and cascade rules.
- Developed a real-time state synchronization workflow where the backend returns updated project data post-edit, enabling instant frontend state refresh without page reloads.
- Upcoming: Adding fully automated and unit testing to complete project lifecycle coverage.

Banking Application | *React.js, Next.js, TailwindCSS, Node.js, Plaid API, Appwrite, TypeScript, Dwolla*

- Created server-side logic with Node.js and Next.js, handling session management, data aggregation, and API calls. Collaborated on real-time system designs, enhancing functionality for data visualization and client-side updates.
- Engineered a dynamic and responsive user interface for a banking application using React.js. Incorporated Plaid for banking connections, Dwolla for real-time fund transfers, and custom-built RESTful endpoints for transaction management.
- Integrated custom server-side endpoints for transaction handling, including categorization and balance aggregation.

WORK EXPERIENCE

IT Lab Assistant

Sep 2024 - Dec 2024

North Hudson Community College, Union City, NJ

- Provided technical support, troubleshooting software and hardware issues for students and faculty.