Neeti Desai

508-446-1102 | desaineeti4@gmail.com

Portfolio: https://www.neetidesai.com | GitHub: https://github.com/neetidesai | LinkedIn: https://www.linkedin.com/in/neeti-desai

EDUCATION

Northeastern University   **Boston, MA**
Bachelor of Science in Computer Science and Behavioral Neuroscience   **Sep. 2021 - May 2025**
GPA: 3.99/4.0 | *Honors*: Honors Program, 2024 Sears B. Condit Award Recipient, Dean's List (2021 - 2025)
Relevant Coursework: Object-Oriented Design, Database Design, Machine Learning, Artificial Intelligence, Natural Language Processing, Software Engineering, Neural Systems

TECHNICAL SKILLS

Languages: Python, Java, SQL, TypeScript, JavaScript, HTML, CSS
Frameworks & Libraries: React, React Native, FastAPI, Node.js, Express.js, Django, OpenCV, PySpark, Tensorflow, NumPy, Pandas
DBMS: PostgreSQL, DynamoDB, MongoDB, MySQL
Cloud & DevOps: AWS (Lambda, S3, SES, Cognito, Amplify), Firebase, Docker, GitHub Actions, GitLab CI/CD
Tools & Practices: Postman, Swagger, Jira, GitHub, GitLab, Confluence, SVN, Agile

PROFESSIONAL EXPERIENCE

Software Engineer, Morse Corp, Cambridge, MA   **Jun. 2024 - Present**
- Using React, Python, and FastAPI to build a data management platform.

Python Software Engineer Co-op, Morse Corp, Cambridge, MA   **Jan. 2024 - Aug. 2024**
- Developed and deployed 15+ backend features for Python-based computer vision and ML testing packages in the JATIC project, supporting three MVPs for the Chief Digital and AI Office.
- Optimized ETL pipelines for large-scale image datasets using PySpark.
- Enhanced ML model performance by implementing data quality metrics to detect mislabeled samples and quantify data difficulty during training.
- Authored unit/integration tests with PyTest (100% coverage) and Diataxis-based documentation for internal users.

Software Engineer Co-op, E Ink, Billerica, MA   **Jan. 2023 - Jul. 2023**
- Independently developed Python-based image processing tools using OpenCV for visualization of color intensity and transitions on early-stage E Ink prototypes; integrated with Linux drivers and custom hardware.
- Led effort to experiment with video playback on custom hardware; wrote Bash scripts for automation.
- Collaborated with 5 cross-functional teammates to deliver demo-ready software for clients.

PROJECTS

AI Budget Tracker | Python, Typescript, React   **May 2025 - Present**
- Allows users to upload credit card statements and receive insights into their spending behavior, highlighting top spending categories and flagging unusual or excessive expenditures.

Shelterlink | TypeScript, React Native, DynamoDB   **Dec. 2024 - Apr. 2025**
- Technical lead for Code4Community iOS app helping unhoused youth locate shelters in Boston.
- Built secure authentication using AWS Cognito and developed scalable backend APIs with TypeScript and DynamoDB to support user data, shelter availability, and session management.

Stack Overgram | TypeScript, React, MongoDB   **Oct. 2024 - Dec. 2024**
- Co-developed a Stack Overflow-style Q&A platform with real-time updates via WebSockets.
- Designed and implemented 10+ backend RESTful endpoints using Node.js and MongoDB; integrated Firebase Authentication to enable secure, real-time user login.

LEADERSHIP & INVOLVEMENT

Code4Community | IC (Sep. 2022 - Nov. 2024), Technical Lead (Dec. 2024 - Apr. 2025)   **Sep. 2022 - Apr. 2025**
- C4C is a Northeastern organization building software solutions for nonprofits. Contributed to 3 distinct initiatives: An HR management system, a green infrastructure monitoring and adoption site, and an iOS shelter locator.

Spoon University Northeastern | Editorial Director & President (Oct. 2022 - Apr. 2025)   **Sep. 2021 - Apr. 2025**
- Increased club membership by 200%; successfully initiated and led social media collaborations with Boston-based restaurants.
- Edited and published member-written articles to Spoon's digital magazine; led writing workshops to educate members.