Niteesh Panchal

Queens, New York 11375 • npanchal1@stevens.edu • +1 929 774 7792 • Portfolio Website

Graduate Computer Science student at Stevens Institute of Technology with hands-on full-stack development experience. Proficient in React, Next.js, Node.js, and MongoDB, with a focus on building scalable, user-centric web applications. Seeking Summer 2025 internships in frontend, backend, or full-stack development.

Education

Stevens Institute of Technology   Hoboken, New Jersey
Master of Science in Computer Science | GPA: 3.6   2024 - 2026

University of Mumbai   Mumbai, India
Bachelor of Science in Computer Science | GPA: 3.8   2022

Work History

Stevens Institute of Technology   Hoboken, New Jersey
Course Assistant for Web Programming   Jan 2025 – May 2025
- Supported the academic progress of **170+ students** by delivering one-on-one and group guidance, clarifying core programming concepts, and troubleshooting code-related issues in JavaScript, React, and Node.js.
- Developed scripts for grading assignments, projects, and exams accurately and efficiently while ensuring fairness and delivering constructive feedback to students.
- Conducted tutorial sessions and facilitating discussions to simplify complex concepts, fostering an engaging and inclusive learning environment.
- Coordinated all course administrative tasks, including assignment submissions and grade tracking for **170+ students**, saving 10+ hours per week; this allowed the professor to focus on curriculum enhancement.

Skills

Languages: Python, JavaScript, TypeScript, C++, C#, Java, Swift
Web Development: React.js, Next.js, Vue.js, Angular, Redux, Bootstrap, Tailwind CSS, Zustand
Backend & APIs: Node.js, Express.js, FastAPI, Flask, REST APIs, GraphQL, Redis
Databases & Storage: MongoDB, PostgreSQL, MySQL, Amazon S3
DevOps & Cloud: Docker, Git, CI/CD, Kafka, AWS, GCP, Linux
Mobile: Android (Java/Kotlin), iOS (Swift)
Machine Learning & Data Science: TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, Matplotlib, Data Mining
Automation & Scripting: Selenium, BeautifulSoup, Web Scraping, Automation Scripts
Tools & Methodologies: JIRA, Agile (Scrum, Kanban), SDLC, OpenAPI

Projects

Student Planner   *Stevens Institute of Technology, 2024*
Developed a full-stack web app that streamlines academic productivity (timetable scheduling, note summarization, file conversion, and interactive Q&A) using **Node.js**, **MongoDB**, **Handlebars**, client-side JavaScript, and **Axios**, with **Express** and **express-session** for routing and sessions.

Liv-Echo   *Stevens Institute of Technology, 2025*
LivEcho is a social media app for sharing posts, private chats, and real-time connections, built with **React**, **Express**, **MongoDB**, **OpenSearch**, **Redis**, **Firebase Auth**, and **Cloudinary**.

Image Recognition   *Stevens Institute of Technology, 2024*
Developed a **Convolutional Neural Network** to accurately detect and count tomatoes in images, achieving over 90% accuracy.

Interest Rates Prediction   *Stevens Institute of Technology, 2024*
Predicted interest rates for May 2025 using various advanced models, including **ARIMA**, **SARIMA**, **Random Forest**, **GRU**, **Feedforward Neural Networks**, and **Transformer Neural Networks**, ensuring model robustness and predictive accuracy through diverse methodologies.

Flappy Bird AI   *Self-taught, 2022*
This project is a recreation of the classic Flappy Bird game, enhanced with AI that learns to play the game using a neural network. The AI is trained using reinforcement learning techniques, allowing it to improve its performance over time.

Chat Bot   *Self-taught, 2023*
Developed a sophisticated chatbot that engages in interactive conversations, demonstrating strong natural language processing capabilities and providing an immersive user experience.

Certificates

PepsiCo - Advanced Software Engineering Job Simulation	June	2025
The Complete Python Developer: Zero to Mastery	July	2022
The Complete Web Developer: Zero to Mastery	October	2022
iOS App Development	June	2023
Android Oreo Developer Course	September	2023
Complete JavaScript Course	June	2024