

Adit Nuwal

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EDUCATION

New Jersey Institute of Technology, Newark, NJ

Expected Graduation: December 2025

BS Computer Science

Current GPA : 3.84

- NJIT Academic Merit Scholarship
- **Dean's List:** Fall 2022, Spring 2023, Fall 2023, Spring 2024

TECHNICAL SKILLS

Programming Languages: Python, Java, HTML5, CSS3, JavaScript, Kotlin, PHP, SQL, Dart

Libraries and Frameworks: Next.js, React, Bootstrap, Spring Boot, JavaFX, Pandas, NumPy, Tensor Flow

Developer Tools: AWS, Git, Git Lab, RESTful APIs, Flutter, Firebase, PostgreSQL, Flyway, Redis, Serverless, VS Code, IntelliJ

WORK EXPERIENCE

Bonzai Digital

June 2024 – July 2024

Backend Development Intern

- Developed, tested and deployed multiple RESTful APIs in a Spring Boot framework for direct file upload to Amazon Web Service S3 storage, improving backend performance by 25% for a faster response time and more scalable system architecture
- Wrote Python and Kotlin code to debug and resolve a critical backend feature reducing the error rate by 50% after utilizing browser developer test tools to inspect network traffic and analyze API response calls in collaboration with frontend team
- Optimized AWS Lambda functions within Serverless framework to allow for S3 object metadata extraction and extended API functionality to create copies of files from AWS S3 storage to the local database for frontend application on user request

NJIT Digital Learning and Campus Support

January 2024 - Present

IT Service Desk Student Assistant

- Provide expert user assistance in computer hardware and software for NJIT's computing technology, including Andrew File System, Webmail, Google apps, Microsoft Azure and Office 365 solving tech problems for 13,000+ students and staff
- Manage and troubleshoot over 150 IT trouble tickets weekly with a resolution rate of 99% within 3 days
- Increased IT team efficiency by 20% through updating and creating NJIT's internal technical documentation knowledge base

Spiderlink Networks

December 2021 - May 2022

Automation Testing Intern

- Conducted comprehensive system testing of Python based automation scripts and ensured bug-free deployment that saved the company over 80 man-hours monthly while gaining knowledge of system design and software development cycle
- Collaborated with accounts team to innovate an automated invoice system solution, reducing manual entry errors by 15%
- Authored clear and concise technical documents for 50+ colleagues to understand and maintain implemented solutions

PROJECTS

Financial Assets Analysis Software - Flutter Multiplatform

- Technologies Used: **Flutter, Dart, Firebase, TensorFlow, Machine Learning, Python, Pandas, NumPy, REST API**
- Engineered a Full-Stack Flutter application to fetch, analyze display market data for stocks and cryptocurrencies, deployed python as backend, RESTful APIs for real-time market data integration & Firebase for database and secure authentication
- Developed and implemented a stock price prediction model using Python's machine learning libraries, TensorFlow and Keras, leveraging LSTM neural networks for time series forecasting

Data Breach Analysis Tool

- Technologies Used: **MongoDB, Express.js, React.js, Node.js, Python, Pandas, NumPy, Scikit-learn, TensorFlow, Machine Learning, Keras, Matplotlib, Seaborn, REST API**
- Engineered a full-stack data breach analysis tool using the MERN stack and Python to import, manage, and analyze historical data breach records using MongoDB for efficient data storage and Express.js for backend and RESTful APIs
- Deployed a React.js frontend for data visualization, enabling trend exploration through charts and dashboards. Integrated Python for advanced data preprocessing and predictive analytics using machine learning models

Marine Navigation and Mapping Software

- Technologies Used: **Microsoft Maps and Marine Traffic API, PHP, HTML, SQL, JavaScript**
- Collaborated with a team of 4 developers to conceptualize and execute the project within a 24-hour hackathon
- A dynamic web app and reliable navigation system for real-time ocean mapping, displaying global ship locations

LEADERSHIP EXPERIENCE

- **Vice-President - Phi Eta Sigma (Honors Society)**
- **Vice-President - Hindu YUVA**