Abhishek Gaire

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**EDUCATION**

**Stonybrook University,** New York, NY

BS in Computer Science; GPA 3.6 Aug 2019 – May 2023

**Relevant Coursework:** Linear Algebra, Data Structures, Algorithms, Software Engineering, Computer Networks, Principles Of Programming Languages, Natural Language Processing, Human Computer Interaction (HCI), Introduction To Data Science, Software and information systems

**Honors & Awards**: Hack@ CEWIT Top-Tier: Undergrad Best in Show, Winner of Hopper Hacks 2023 Competition, Dean’s List Scholar, & $120,000 in merit–based scholarships

**PROFESSIONAL EXPERIENCE**

**Restrowise –** *Software Engineer; MD, USA*  Jun 2023– Jan 2024

* Worked on implementing online order and notification feature for live dashboard program using webhook and Kafka.
* Implemented several backend services including order, table, and staff microservices using Node.js, Express and Postgres for database.
* Contributed to several frontend projects including live dashboard, restaurant management as well as customer ordering applications which were all done in React.js, Redux for state management and Material UI for styling.
* Played a vital role in architecting the system and designing the database for robust use cases and scalability in mind.
* Optimized code for performance, led agile project cycles, and collaborated closely with business users and QA for requirement gathering, demonstrations, and rigorous error resolution.
* Engaged in extensive software testing and debugging to enhance application performance and security.
* Fostered an environment of operational support by applying industry trends and algorithms to develop innovative solutions, impacting project outcomes positively.

**PROJECTS**

**Smart Perishables Manager – NEXT.js, Django, PyTesseract, PostgreSQL, OpenAI GPT-3.5, ML Models** July 2023 – Present

• Designed a grocery management system using PyTesseract and OpenAI GPT-3.5, focusing on scalable backend architecture with Django and integrating PostgreSQL for efficient data management. Conducted extensive data analysis to drive user engagement and promote sustainability, leveraging NEXT.js for a responsive frontend following software development lifecycle.

**TAPS: A 2D Game Map Editor – NODE.JS, Express J.S, MONGODB, REACT, HTML/CSS, GRAPHQL** Aug 2022 – Dec 2022

* Spearheaded the design and launch of an advanced full-stack web application for 2D game map creators, incorporating real-time collaborative editing tools; meticulously guided the software from planning to deployment, ensuring top-tier quality; and introduced an intuitive platform for seamless map/game discovery, sharing, and discussion, bolstered by an integrated rating system to enhance the community experience.

**LogN: Daily Data Logger – NODE.JS, EXPRESS.JS, MONGODB, React, HTML/CSS** Apr 2022 – Jun 2022

* Pioneered a full-stack digital products web application using Reacts Recharts for dynamic visualizations; seamlessly integrated Cloudinary for optimized multimedia management; and fortified project integrity with automated JEST testing, all while streamlining deployment through MongoDB Atlas, Heroku, and Netlify, demonstrating comprehensive front-end to back-end expertise.

**Leadership and Achievements**

**J.P. Morgan Software Engineering Virtual Experience on Forage - March 2024**

Set up a local dev environment by downloading the necessary files, tools, and dependencies. Fixed broken files in the repository to make web application output correctly. Used JPMorgan Chase’s open-source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

**International Students’ Association Club –** President Aug 2021 – Dec 2021

* Directed a five-member executive team, conveyed strategic meetings, spearheaded inclusivity events, and partnered with administrative entities to ensure a seamless integration and enhanced experience for international students.

**Teaching Assistant & Peer Tutor–** Computer Science Department, SUNY Korea Aug 2020 - May 2022

* Taught Python programming and algorithms to 63 students, offering weekly personalized support to 15 students. Raised grades of 19 tutees by 25% through targeted practice and active recall strategies. Led recitations, graded assignments/exams for 60+ students, achieving a 4.5/5 satisfaction rating in evaluations.

**SKILLS**

**Programming Languages** Python, Java, JavaScript, HTML/CSS, OCaml, C, Scala, C++, React, Node.js, Django, MUI, Bootstrap, MongoDB

**Technical Proficiency**: Figma, Microservices, Kubernetes, NoSQL, electronics engineering fundamentals, digital products, scalable software, object-oriented programming, Microsoft Office Suites (Excel, Word, PowerPoint), Design Tools (Adobe Illustrator, Adobe Photoshop), Canva, GIT, AWS, Jest, VS code, Emacs, Docker, Kafka, NoSQL