Chan Nyein Zin (Noel)

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EDUCATION

Columbia University in the City Of New York, *Bachelor of Art in Computer Science*   **May 2024**

Relevant Coursework: UI/UX Design, Data Structures & Algorithms in Java& Python, Graphic Design, AI and Machine Learning with Python, Full Stack Web Development

WORK EXPERIENCES

CodePath.org

Tech Fellow, New York, USA   May 2024 – Nov 2024
- Mentored 100+ students in algorithms and programming concepts, enhancing their technical problem-solving abilities.
- Designed and delivered engaging instructional content aligned with agile principles, improving 30% of student outcomes.

Headstarter AI

Software Engineering Fellow, New York, NY   July 2024 – Sept 2024
- Built and deployed five scalable web applications, including an AI-powered educational tool to support personalized learning.
- Utilized A/B testing and Google Analytics to refine user experiences, increasing engagement by 20%.
- Authored comprehensive technical documentation to align development efforts with user and business needs.

SECOMM

Frontend Developer Intern, Ho Chi Minh City, Vietnam   June 2023 - Aug 2023
- Developed intuitive, responsive web interfaces for e-commerce clients, integrating relational databases to streamline data storage and retrieval.
- Conducted UI/UX testing and optimized database queries, resulting in a 15% boost in user satisfaction scores.
- Collaborated with cross-functional teams to implement features aligning with technical and customer requirements, ensuring seamless database interaction for dynamic content.

PROJECTS

Perfume Recommendation Engine | *(Final AI Research Project at Columbia University)*

Full Stack Web App with Data (Python, Scikit-learn, Pandas, Beautiful Soup, SQL)
- Applied machine learning content-based recommendation algorithms using Python.
- Web-scraped datasets with Beautiful Soup, transformed them into CSV files, and curated features with Pandas for recommendation.
- Leveraged Scikit-learn for collaborative filtering, achieving 90% prediction accuracy.
- Developed user-friendly flows and interfaces to enhance accessibility and engagement.

Money Transaction Blockchain System

Full Stack Web App (Python, Flask, HTML, CSS, JavaScript)
- Built a secure financial transaction platform leveraging Python, Flask, and JavaScript.
- Implemented blockchain concepts for secure and decentralized transactions.
- Designed and developed frontend interfaces for dynamic content and interaction.
- Managed backend logic for transaction processing and user inputs.

Interactive Boxing Lessons Platform

Full Stack Web app | (Python, Flask, HTML, CSS, JavaScript)
- Developed an interactive web application to teach defensive boxing maneuvers.
- Frontend: Crafted responsive interfaces using HTML, CSS, and JavaScript for dynamic content and interaction.
- Backend: Utilized Python and Flask for server-side logic, managing lessons, quizzes, and user inputs.
- Designed dynamic scoring systems and interactive lesson flows to enhance user engagement and learning outcomes.

SKILLS

Programming Languages: Java, Python, TypeScript, JavaScript, MySQL, MATHLAB, Git, Docker
Libraries: OpenCV, Scikit-Learn, PyTorch, TensorFlow, NumPy, Pandas, Matplotlib, Beautiful Soup, React
Languages: English (Professional), Burmese (Native), Chinese (Elementary)