Naseem Uddin

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Education

New York University NYC, NY

Bachelor of Science in Computer Science, Minor in Cybersecurity *Sep. 2022 – May 2026*

Relevant Coursework: *Algorithms, System Organization, Data Structures, Discrete Mathematics, Calculus I*

Experience

Software Engineering Resident Sep. 2024 – Present

HEADSTARTER *NYC, NY*

- Built 2+ machine learning, ai-engineering, and full-stack projects in fast-paced software team environments
- Designed, tested, and deployed neural networks in Python using output to improve and optimize predictive models
- Executed LLM-chaining, hyperparameter tuning, and fine-tuning on 3+ LLM models controlling for latency & accuracy
- Mentored by Google Machine Learning, Google Kubernetes, Two Sigma, Tesla, Figma, and Citadel Engineers

Cybersecurity Trainee Feb. 2024 – Present

Codepath.org *NYC, NY*

- Conducted research and simulations of Distributed Denial of Service (DDoS) attacks on controlled environments. Presented findings on the risks, impacts, and mitigation strategies to enhance cybersecurity defenses to an audience of over 180 educators and students
- Utilized penetration testing tools (e.g., John-The-Ripper, rockyou.txt) and password databases to demonstrate vulnerabilities in over 250 passwords
- Received personalized mentorship from seasoned industry professionals, enhancing comprehension and application of CIA (Confidentiality, Integrity, and Availability) Triad

Senior Office Assistant Jan. 2024 – Present

NYU Stern Department Of Accounting *NYC, NY*

- Updated and backed up NYU Stern's academic resource website for over 6,400 users each semester, ensuring accurate content and boosting efficiency by 18%
- Coordinated over 100 departmental events for 20-100 attendees, ensuring smooth execution and resulting in over 90% satisfaction ratings
- Provided mentorship to new employees, guiding them on responsibilities and expectations, contributing to a supportive and productive work environment

Projects

AI Brain Tumor Classification | *Python, Git, Scikit-learn, VS Code, TensorFlow* Nov. 2024 – Present

- Developed a full-stack web application using Python, HTML, and Ngrok API
- Trained neural networks to classify tumors in brain MRI scans with over 98% precision
- Leveraged Gemini 1.5 to generate comprehensive reports explaining model predictions and providing actionable insights

AI Customer Churn Prediction | *Python, Git, XGBoost, Streamlit, OpenAI* Oct. 2024 – Nov. 2024

- Trained and evaluated 5 machine learning models on a .csv dataset, utilizing the top 3 based on accuracy and precision
- Launched the program using Streamlit to visualize customer data, the prediction process, and present numerical results in a clear and accessible format
- Integrated LLama 3.2 to generate intuitive prompts explaining model predictions and automating email outreach to customers at risk of churning with tailored offers

Technical Skills

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, UNIX, Assembly
Frameworks: Jupyter Notebook, Node.js, WordPress, Google Colab
Developer Tools: Git, VS Code, PyCharm, Shell, Eclipse, Atom, Unreal Engine, Unity, Powershell, Wireshark, Replit
Libraries: Scikit-learn, Pandas, NumPy, Matplotlib, OpenCV, Keras, Tensorflow, Streamlit