Rishi Nopany

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EDUCATION

Georgia Institute of Technology   Aug 2021 – May 2025
- Bachelor of Science in Computer Science (Information-Internetworks & Media)
- GPA 4.0/4.0
- Current Coursework: Object Oriented Programming, Data Structures & Algorithms, Computer Systems and Networks, Databases

RESEARCH & WORK EXPERIENCE

Amazon Web Services   May 2024 – Aug 2024
Software Development Engineering Intern   *Seattle, WA*
- Architected a Langchain-powered micro-service to provide in-context descriptions for over 300 different AWS services and solutions, enhancing the user reading experience and leading to a 12% user retention rate
- Engineered a machine learning pipeline utilizing sentence transformers and keyphrase vectorizers, achieving 95% accuracy in identifying technical terms within AWS documentation
- Developed and integrated large language models (Claude 3 Sonnet and Haiku) to automatically generate concise definitions, improving documentation clarity and reducing customer support queries by 18%
- Optimized the microservice for scalability and performance, resulting in a 23% reduction in latency and an 8% improvement in response time

Nykaa   May 2023 – Aug 2023
Software Engineering Intern   *Mumbai, India*
- Employed NLP (BERT) models and Naive-Bayes classifiers to automate product review rejection, resulting in a 15-hour monthly reduction in staff hours while enhancing efficiency
- Leveraged text vectorizers and large-scale NLP models to successfully implement keyword extraction for product review tags, resulting in an 12% increase in user website interaction
- Created anomaly detection algorithms using Pandas and NumPy, curbing human error and driving a 5% revenue upswing across five product categories
- Engineered algorithms that efficiently prune inactive SKUs, resulting in an improvement in cache performance and accelerated searches across both mobile and web platforms

Georgia Tech College of Computing   Jan 2023 – Present
Teaching Assistant   *Atlanta, GA*
- Administered exams and assignments encompassing computer architecture, SQL, and database implementations in C++
- Spearheaded teaching lessons and held office hours on a bi-weekly basis for 800+ students every semester

TutorBot   Jan 2022 – May 2022
Software Developer   *Atlanta, GA*
- Architected an interactive Q&A chatbot that uses keyword extraction, cosine similarity, and ML to answer student questions
- Devised an intelligent tutoring system catering to programming-intensive electrical engineering courses, driving student retention and performance
- Pioneered the shift to a vector search engine model (Weaviate) to reduce run-time and enhance accuracy, improving search capabilities of the chatbot

Blitz Notes, www.blitznotes.org   Dec 2019 – Aug 2021
Co-founder   *Bangalore, India*
- Created a web application using Python (Flask) and JavaScript to make learning easier for students
- Most popular student-led IB Education App in India, garnered 1,500,000+ views & 500,000+ users
- Made key decisions about the web app and collaborated with over 50+ contributors from various parts of India

PROJECTS & LEADERSHIP

GT Investments Committee   Jan 2023 – Present
Quantitative Analyst   *Atlanta, GA*
- Served as an analyst in the energy and quant sector of an organization that handles over $2,000,000
- Automated a discounted cash flow analysis algorithm, achieving a 300% portfolio value increase in a 10-year backtest period

HONORS AND AWARDS

Georgia Tech Dean's List and Faculty Honors recipient (4.0 GPA) – Fall 2021, Spring 2022, Fall 2022, Spring 2023, Fall 2023, Spring 2024

SKILLS

Languages: Java, Python, JavaScript, HTML, CSS, SQL, C
Tools: React, Flask, MySQL, Bootstrap, Git, Docker, Assembly, Linux, MongoDB, Node.js, Tensorflow, NumPy, Pandas, scikit-learn, PyTorch, JUnit, Jupyter, Django, Jira, OpenGL
Concepts: Artificial Intelligence, Machine Learning, Assembly, Object Oriented Design, Agile, API Design, Database Design