SURYA NEDIYADETH

Jersey City, New Jersey
(Available for Full Time Opportunities)

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Education

Master of Science in Computer Science | Stevens Institute of Technology　　　　　　　　　**Jan 2022 – Dec 2023**
(w/ Graduate Certificate Program in Machine Learning)　　　　　　　　　　　　　　　　　Hoboken, NJ
Relevant courses: Agile Methods for Software Dev, Human-Computer Interaction,
Deep Learning, Artificial Intelligence, Natural Language Processing, Database Management Systems II,
Intro to Python for Financial App, Intro to Bloomberg & Thomson-Reuters

B. Tech in Computer Science and Engineering | Alliance University　　　　　　　　　　　**Aug 2017 – Aug 2021**
Relevant courses: Data Structures and Algorithm, TCP/IP, OOPs using C++, Compiler Design (Unix)　Karnataka, India

Technical Skills

Programming/Scripting Languages: Python, Java, R, SQL, C, C++
Database Services: MySQL, MongoDB
Web Development: HTML, XML, CSS, Bootstrap, JavaScript
Tools, Libraries and Framework: GIT, AWS, TensorFlow, PyTorch, Keras, Pandas, NumPy, Scikit-learn, SciPy, Matplotlib, OpenCV, Dlib, Flask, Node.js, React, Django, Pygame, Docker, Pyspark

Academic Projects

SummarizeMaster (Version 0.1):　　　　　　　　　　　　　　　　　　　　　　　**May 2024 – June 2024**
- Developed an advanced text summarization package using PEGASUS and BART, leveraging multiple datasets, improving summarization accuracy by 30%.
- Utilized Python, Transformers, Datasets, Docker, AWS EC2, CI/CD pipelines, and FastAPI for deployment and scalability, ensuring robust performance and easy integration.
- Contributed to open source by publishing the package on PyPI, enabling the community to benefit from the enhanced text summarization capabilities.

critiQs:　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Feb 2023 – May 2023**
- Developed and led the front-end development efforts for critiQs, a cinephile-focused web app, demonstrating expertise in creating responsive and visually appealing interfaces using HTML, CSS, Bootstrap, JavaScript, and jQuery.
- Collaborated effectively with the team of five to integrate the TMDb API, enriching the user experience with comprehensive movie details. Contributed partially to backend connectivity using Django and SQLite.
- Delivered the project within the 3.5-month timeline, garnering excellent user feedback from 15 reviewers, receiving a 95% satisfaction rate.

Experience

Graduate Student Course Assistant | Stevens Institute of Technology, NJ　　　　　　　　**Sep 2022 – Dec 2022**
- Fulfilled multiple roles including tutor, grader, course preparer, and assignment designer, enhancing the learning experience for a class of 89 students.
- Enhanced student comprehension and project success rates through dedicated weekly office hours, resulting in a 10% uplift in class grades and a 15% increase in successful data-related project submissions.

Web Development Intern | Ethical Edufabrica Pvt. Ltd., Karnataka　　　　　　　　　　　**Aug 2020 – Oct 2020**
- Completed professional web development training, acquiring skills in HTML, SQL, PHP, CSS, and Bootstrap.
- Designed and implemented a "Protein Database Management" project, meeting specified requirements and utilizing learned languages and frameworks.

Research Intern | National Institute of Technology Rourkela, Odisha　　　　　　　　　　**Jun 2019 – Jul 2019**
- Advanced "Session-based Recommendation Systems" by implementing and refining a GRU-based RNN model, achieving significant improvements over traditional methods through dataset experimentation.
- Gained experience in Item-based Collaborative Filtering algorithms to complement advanced session-based recommendation systems.

Volunteer Experience

Multi-Project Fellow | Third Estate Ventures, Inc., NY　　　　　　　　　　　　　　　　**Feb 2024 – Present**
- Led the end-to-end development of data-driven projects, from manipulation and analysis to interactive dashboard creation for real estate insights, employing machine learning for trend identification and business metric definition, leveraging Python and SQL for enhanced strategic decision-making.