

SURYA “BEN” 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

Multi-Project Fellow (Software Engineer) | Third Estate Ventures, Inc., NY Feb 2024 – Present

- Led end-to-end development of data-driven projects, from manipulation and analysis to interactive dashboard creation for real estate insights.
- Leveraged machine learning for trend identification and business metric definition, using Python and SQL for enhanced strategic decision-making.

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.