SURYA "BEN" NEDIYADETH
Jersey City, New Jersey
(Available for Full Time Opportunities)

+1(929)-592-1489 nediyadethsurya@gmail.com   https://www.linkedin.com/in/n-surya/   https://github.com/Surya7612   https://surya-nediyadeth-portfolio.web.app

Education

Master of Science in Computer Science | Stevens Institute of Technology   **January 2022 – December 2023**
(with 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   **August 2017 – August 2021**
Relevant courses: Data Structures and Algorithm using C++, Algorithm Design and Analysis,   Karnataka, India
Object-Oriented Design, Distributed Systems, Relational Database Management System, TCP/IP, Compiler Design (Unix)

Technical Skills

Programming: Python, Java, SQL, JavaScript, React.js, HTML/CSS
Frameworks: Django, Flask, Spring Boot, FastAPI, Node.js
AI/ML: TensorFlow, PyTorch, GPT-4, Transformers, BERT, BART, PEGASUS
Cloud: AWS (EC2, S3, RDS), Docker, Kubernetes
Databases: PostgreSQL, MySQL, MongoDB
Tools: Git, Selenium, Docker, CI/CD (GitHub Actions), VS Code, Postman

Experience

Multi-Project Fellow (Software Engineer) | Third Estate Ventures, Inc., NY   **February 2024 – Present**
- Led development of 2 data-driven projects, processing datasets with over 500,000 data points to create interactive dashboards for real estate insights, improving decision-making for over 4 stakeholders.
- Leveraged machine learning for trend identification and business metric definition, using Python and SQL for optimized strategic decision-making.

Graduate Student Course Assistant | Stevens Institute of Technology, NJ   **September 2022 – December 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   **August 2020 – October 2020**
- Completed professional web development training, acquiring skills in HTML, SQL, PHP, CSS, and Bootstrap.
- Designed and implemented a "Protein Database Management" project, handling over 50,000 protein entries utilizing learned languages and frameworks, reducing search and retrieval time by 30%, meeting specified requirements.

Research Intern | National Institute of Technology Rourkela, Odisha   **June 2019 – July 2019**
- Advanced "Session-based Recommendation Systems" by implementing and refining GRU-based RNN model, increasing recommendation accuracy by 25%, achieving significant improvements over traditional methods through dataset experimentations.
- Gained experience in Item-based Collaborative Filtering algorithms to complement session-based recommendation systems.

Academic Projects

KarmBot — Job Application Automation Bot   **July 2024 – October 2024**
- Developed an intelligent AI-driven job application bot leveraging Selenium and GPT-4 for scraping, analyzing, and applying to jobs.
- Designed a multithreaded architecture that streamlined over 100 automated job relevance checks per day, optimizing resume selection, cover letter generation, and notification systems.
- Implemented PostgreSQL for tracking over 100 job applications, resulting in a 40% reduction in manual processing time and improved efficiency of the job application process.
- **Tech stack: Selenium, GPT-4, Prompt Engineering, Python, PostgreSQL, Multithreading.**

SummarizeMaster (Version 0.1):   **May 2024 – June 2024**
- Engineered an advanced text summarization package using NLP models PEGASUS and BART, leveraging multiple datasets, improving summarization accuracy by 30%.
- Utilized Python, Hugging Face's Transformers, and custom datasets, combined with Docker, AWS EC2, and FastAPI for scalable deployment and CI/CD pipelines for streamlined integration.
- **Tech stack: Python, NLP, Transformers, AWS, Docker, FastAPI.**