

ABHINAY SHANKAR BELDE

5114, Truemper Way, Canterbury Green, Fort Wayne, Indiana, 46835

☎ 260-515-4640 ✉ abhinaybeldeofficial@gmail.com  <https://www.linkedin.com/in/abhinay-belde-3a384a1a0/>  <https://github.com/08Abhinay>

Education

Purdue University Fort Wayne

Masters in Computer Science

August 2023 – Present

Indiana, Fort Wayne

Amrita Vishwa Vidyapeetham University

Bachelor of Science in Mechanical Engineering

July. 2017 – May 2021

India, Karnataka, Bangalore

Skills

Programming Languages

- Python
- Java
- JavaScript (ReactJS)

Data Science and Analysis

- Numpy, Pandas
- scikit-learn
- spaCy

Databases

- MongoDB
- SQL

Machine Learning

- Machine Learning
- Deep Learning
- Neural Networks
- NLP (Natural Language Processing)
- Generative AI
- LLMs
- TensorFlow
- Keras

Web Development

- ReactJS
- JavaScript
- Express
- HTML
- CSS
- Node.js

Cloud Computing (AWS)

- AWS (Amazon Web Services)
- S3 (Simple Storage Service)
- ECS (Elastic Container Service)
- CloudWatch
- ECR (Elastic Container Registry)
- EC2 (Elastic Compute Cloud)

Operating Systems

- UNIX/Linux/Mac/Windows

Certifications

Convolutional Neural Networks — DeepLearning.AI, Feb 2024

Neural Networks and Deep Learning — DeepLearning.AI, Jan 2024

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization — DeepLearning.AI, Jan 2024

Sequential Models — DeepLearning.AI, Feb 2024

Python Programming - University of Michigan, July 2020

Projects

Abstractive Text Summarization | *Deep Learning, NLP*

Jan 2023 - Present

- **Goal:** Worked on a project that tested two different ways to shorten texts into summaries, focusing on how well they worked by using special scores called ROUGE metrics.
- **Approach:** Investigated and compared the effectiveness of BART (a smart tool for rewriting text) and a combination of CNN and Bi-LSTM (techniques for understanding and condensing information) in creating short summaries.

Image Coloring - Gray-scale to Colored Images | *Deep Learning*

Sept 2023 - Dec 2023

- **Deep Learning Image Coloring:** Employed TensorFlow and Keras to develop an image colorization project utilizing deep neural networks. Leveraged convolutional neural networks (CNNs) to predict and generate color details for gray-scale images, enhancing their visual representation.

- **Integration of scikit-learn:** Integrated scikit-learn for data preprocessing and optimization within the image coloring project. Implemented various data transformation techniques and fine-tuning methodologies to enhance the neural network's performance and accuracy.
- **Python-Based Development:** Utilized Python programming language as the primary language for the project. Employed Python's libraries, such as TensorFlow, Keras, and scikit-learn, to design, train, and deploy the neural network model
- **Neural Network Expertise:** Utilized neural network architectures for image processing, focusing on efficient and accurate gray-scale image colorization. Implemented and fine-tuned neural network models to achieve efficient and accurate colorization of gray-scale images.

Purdue Marketplace(Telescope) | React, JavaScript, HTML, CSS, Node.js

Sept 2023 - Dec 2023

- Created Purdue e-commerce platform utilizing React, Node.js, HTML, CSS for seamless user experience.
- Managed and updated GitHub code repository for transparency, enabling project validation and collaboration.
- Implemented full-stack approach integrating React and Node.js to ensure robust functionality and intuitive interface.

Experience

Infosys Limited

Sept 2021 – Aug 2023

Software Engineer

India, Karnataka, Bangalore

- Led the development of UI menus and new features for the LMS VAM module, using Angular-based FINUX tool, Java, and JavaScript. Utilized UNIX for managing all project code. The project was hosted in a cloud-based environment, ensuring scalability and accessibility.
- Engineered custom REST APIs using JAVA, proficient in code reusability and customization of existing code, alongside Finacle Scripting. Proficiently managed source code utilizing Git
- Consistently leveraged AWS services like CloudWatch, EC2, ECS, EFS, S3, and VPC on a daily basis, gaining hands-on experience within an Agile working environment.
- Closely working with client servicing teams for new requirements, managing BAU activities and business user queries

The People's Corp

Jan 2021 – Jul 2021

Career Advisor Intern (Part-Time)

India, Karnataka, Bangalore

- Conducted personalized career counseling, focusing on resume building, interview preparation, and career planning, tailored to clients' qualifications and aspirations.
- Designed and executed workshops on essential career skills, including networking and job search strategies, enhancing participants' capabilities and confidence.
- Collaborated across departments to boost career service outreach, increasing engagement among students and community members.

JSpiders Institute

Feb 2021 – Aug 2021

Student and Assistant Teacher, Intern

India, Karnataka, Bangalore

- Trained and certified in technologies associated with JAVA full-stack Development like Python, CORE JAVA and advanced JAVA, J2EE, SQL, and PL/SQL
- Collaborated as a teaching assistant, providing support and guidance to a class comprising over 100 students.

Leadership / Extracurricular

Music Club

Under Graduation

President

Amrita Vishwa Vidyapeetham University

- Represented the university in the All India Battle of the Bands, securing the first-place title in 2022.
- Orchestrated successful events, workshops, and performances, showcasing adept organizational abilities and collaboration with club members and faculty.
- Spearheaded efforts to promote musical appreciation, talent development, and engagement among students, contributing to a rich cultural atmosphere at the university.

Amritanandamayi Ashram

Under Graduation

Volunteer

Amrita Vishwa Vidyapeetham University

- Organized meals for 1000+ visitors, fostering a welcoming environment at Amritanandamayi Ashram.
- Led initiatives serving meals to the homeless and coordinated donation campaigns for the needy.

NGO

Under Graduation

Member and Volunteer

The Peoples' Corp

- Contributed to tree plantation drives, aiding environmental conservation efforts.
- Participated in cleanliness drives, actively promoting community sanitation and hygiene through Peoples' Corp NGO.