

Phone: +91 9164552388
Mail: hdkiranbharadwaj@gmail.com
LinkedIn: <https://www.linkedin.com/in/kiran-bharadwaj-h-d-08503b181/>
GitHub: <https://github.com/hdkiranbharadwaj>

Kiran Bharadwaj H D

UNDERGRAD – Bachelor of Engineering

About Me

Aspiring software engineer with a strong foundation in C, Java, and an active interest in Python. A full stack web developer with passion in data driven applications like machine learning and AI. I Stay updated on the latest advancements through research. Eager to contribute my skills, problem-solving abilities, and a growth mindset to shape the future of software engineering and candid AI. Ready to make a positive impact on dynamic teams.

Professional Skills

- **Data Structures and Algorithms**
- **OOPs and Operating System Concepts**
- **Machine Learning Algorithms**
- **Front End: React, HTML, CSS, Bootstrap**
- **Backend: ExpressJS, NodeJS**
- **Database Management: PostgreSQL, MySQL**
- ANN and CNN
- **Flutter Development**
- WordPress Web-Designing
- SQL and DBMS

Soft Skills

- Critical Thinking
- Team Player
- Public Speaker
- Punctuality
- Leadership

Education

- JSS Science and Technology University (2021 – 2025)
Computer Science and Engineering
CGPA : 9.67
- Sadvidya Composite PU College, Mysuru (2019 – 2021)
Science - PCMCs
Percentage : 97
- Podar International School, Hassan (2009 – 2019)
CISCE - ICSE
Percentage : 96

Experience

Freelancing- Web Designing

- Extensive experience in crafting websites using WordPress, specializing in custom themes and user-friendly design.
- Collaborated closely with clients to deliver visually appealing websites aligned with their business objectives.
- Implemented custom themes, optimized site performance, ensuring seamless functionality across various devices.

Projects

Dynamic CV – Web App to Dynamically store and Update User's Resume.

- Designed a web app using React and Bootstrap to create a ambient experience for users to use the services to upload and download the resume.
- Facilitated the backend using the PERN tech stack, PostgreSQL for database and Express as the backend.
- Engineered the communication between the front and the backend using specific endpoints, made use of the JWS tokens and bcrypt to manage the authentication.
- Used the concepts of React Routes, States and Cookies to manage user experience and to provide clickable links for the user on their stored resume.

Image Classification - MNIST - Artificial Neural Network

- Engineered a web app utilizing neural networks for instant solving of handwritten equations.
- Facilitated equation input through a digital canvas, enabling real-time computation and seamless result display.
- Demonstrated the integration of AI into mathematics, providing a hassle-free, user-friendly solution for solving handwritten equations.

Image Recognition CIFAR with Artificial Neural Network using Keras

- Implemented an Artificial Neural Network (ANN) for image recognition using Keras and TensorFlow, processing CIFAR data.
- Integrated dropout layers to enhance validation accuracy and utilized TensorBoard for comprehensive model visualization.
- Validated the model's efficacy through a detailed confusion matrix analysis.

Competitive Exam Database Console

- Utilized a Database Management System (DBMS) to efficiently store and retrieve student, exam, and other crucial data within the website.
- Ensured seamless data organization and retrieval processes for enhanced user experience.
- Leveraged DBMS capabilities to maintain the integrity and reliability of the competitive exam database.

Spam Email Filter with Naive Bayes Classifier

- Implemented NLP techniques for tokenization and stemming, combined with BeautifulSoup for HTML parsing.
- Developed a Spam Email Filter using a Naive Bayes Classifier to effectively identify and filter out unwanted emails.
- Enhanced system accuracy through a word cloud visualization, providing insights into token probabilities for more effective spam detection.

Certifications and Courses

- SkillUP - Machine Learning and Intro to AI
- LinkedIn - Python Object Oriented Programming
- Udemy - Complete 2022 Data Science and Machine Learning Bootcamp
- Udemy - The Complete Flutter Development Bootcamp with Dart
- Google - Google Advanced Data Analytics Capstone
- DeepLearning.AI - Advanced Computer Vision with TensorFlow
- DeepLearning.AI - Neural Networks and Deep Learning

Languages

- English (C1 Advanced)
- Kannada
- Hindi

Hobbies

- Blogging (<https://hdkb.home.blog/>)
- Chess
- Listening to Podcasts