Harish P C

harishpc2005@gmail.com | 9731826081 | linkedin.com/in/harish-pc-0722252a2

Summary

Highly motivated and detail-oriented Backend Developer proficient in Node.js, Express.js, Python, and MongoDB, with a proven ability to design, develop, and deploy robust, scalable, and data-driven applications. Experienced in building RESTful APIs, implementing secure authentication mechanisms (JWT), and integrating machine learning models to deliver impactful insights. Successfully led backend development for multiple projects, demonstrating strong problem-solving, critical thinking, and project management skills.

Skills

* **Programming Languages:** Node.js, Express.js, Python, Java, C
* **Databases:** MongoDB
* **Frameworks/Libraries:** React (MERN Stack), ResNet-50, DenseNet-121, Pandas, Matplotlib
* **DevOps:** Git, GitHub, Render
* **Other:** RESTful APIs, JWT Authentication, Machine Learning, Deep Learning (CNNs), Data Analysis, Data Visualization, Time Series Analysis, Agile methodologies, Problem-solving, Critical Thinking, Project Management, Communication

Experience

Full Stack Developer | Self-Initiated Project: BookBridge (Library Management System) | Bangalore | Jan 2025 ? Apr 2025

* Spearheaded the development of BookBridge, a full-stack library management system utilizing the MERN stack, enhancing accessibility for 50+ users.
* Implemented JWT-based authentication, resulting in a 20% increase in user engagement.
* Engineered a responsive UI, boosting cross-device usability by 40%.
* Developed and deployed RESTful APIs to manage user data, session control, and book reviews, handling over 1000 API requests per day.
* Managed version control using Git and GitHub, deploying the application to Render for public access. [Link: https://github.com/JESHARRY/BookBridge]

Machine Learning Developer | Academic Project: Pneumonia Detection using Chest X-Ray Images | Bangalore | Feb 2025 ? Apr 2025

* Designed and implemented a CNN-based deep learning pipeline for pneumonia detection from chest X-ray images.
* Fine-tuned ResNet-50 and DenseNet-121 models, achieving a 15% accuracy improvement over baseline models, reaching 88%+ test accuracy.
* Utilized image augmentation techniques to mitigate overfitting and enhance model generalization.
* Interpreted model performance using confusion matrices and ROC curves, contributing to clinical evaluation. [Link: https://github.com/JESHARRY/Pnuemonia-Detection-using-Chest-X-Ray-images]

Data Analyst Intern | Dhee Centre of AI | Bangalore | May 2024 ? Jun 2024

* Analyzed NASA solar flare data using Python, Pandas, and Matplotlib to predict solar activity impact on geostationary satellites.
* Processed and visualized time-series data, identifying high solar flare intensity periods and associated satellite risks.
* Presented findings through comprehensive reports and dashboards to faculty. [Link: https://drive.google.com/file/d/1lGG2psvs1rpb9ao_Y4BN7w1Wn4GeVbpW/view?usp=drivesdk]

Education

Bachelor of Technology (B.Tech) in Computer Science | RV University, Bangalore | Aug 2023 ? May 2027 (4th Semester, CGPA: 7.83)

Awards and Honors

* AI Space Weather, Dhee Centre AI (March 2025): Recognized for contributions to solar flare data analysis.

Languages

English, Hindi, Kannada, Tamil, Telugu, Malayalam