Pemmaraju Saishashank Bharadwaj

+91 7660062703 | shashankbharadwaj2703@gmail.com | LinkedIn | GitHub | Portfolio

Career Objective

Detail-oriented Computer Science student skilled in Java, Python, and full-stack development. Experienced in cloud technologies and machine learning, with a proven ability to build scalable, user-focused applications. Seeking opportunities to contribute as a software engineer in dynamic environments.

Education

- **Guru Nanak Institutions Technical Campus,** Hyderabad **CGPA : 8.40**
  BTech – Computer Science Engineering, 2022 – to date
- **Sri Chaitanya Junior College**, Hyderabad **PER : 87.7%**
  Intermediate - M.P.C, 2020 – 2022

Technical Skills

Languages: Java, Python, C, HTML/CSS, JavaScript, SQL

Technologies/Frameworks: React.js, Node.js, Express.js, Tailwind CSS, Bootstrap, Pandas, NumPy, scikit-learn

Developer Tools: Git**,** GitHub, VS Code, IntelliJ IDEA, Jupyter Notebook, Postman

Cloud Technologies: AWS (EC2, S3, Lambda, IAM)

Projects

1. **FilmFlick – Movie Journal & Review Platform** | GitHub
   React.js, Node.js, MongoDB, Redux Toolkit, Express.js
   - Engineered a **full-stack movie review platform** with a responsive, user-friendly interface using React.js.
   - Implemented **centralized state management** with Redux Toolkit for seamless UI updates.
   - Designed **secure user authentication** with JWT and optimized MongoDB schemas for efficient review storage.
   - Built **search and filtering features** with RESTful APIs to enhance user experience and scalability.

2. **GreenMiles – EV & Hydrogen Vehicle Range Predictor** | GitHub
   React.js, FastAPI, Machine Learning, TailwindCSS
   - Collaborated in a team of 5 to develop a predictive system for estimating EV and hydrogen vehicle ranges using **XGBoost**.
   - Integrated **FastAPI back-end services** with ML pipelines to deliver accurate, real-time predictions.
   - Enhanced system performance by **optimizing XGBoost hyperparameters** and reducing model latency during prediction.

3. **Blogger – Minimalist Blogging Platform** | GitHub
   Node.js, Express.js, MongoDB, EJS
   - Designed a blogging platform supporting user authentication and secure session handling.
   - Implemented server-side rendering with EJS for faster content delivery and improved SEO.
   - Integrated an **image upload pipeline** with **compression techniques** to optimize storage and reduce load times.

Certifications

- AWS Educate: Introduction to Cloud 101 Badge – AWS Educate | [Certification Link↗]
- Applied Data Science with Python – IBM | [Certification Link↗]