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☑️ TECHNICAL SKILLS

Frontend:

JavaScript ・ HTML ・ ReactJS ・ Typescript ・ Angular ・ CSS3・ Figma

Backend:

Python ・ NodeJS ・ Golang・ Flask・ JQuery

Additional Skills:

Machine Learning (ML) ・ Artificial Intelligence (AI)

🎓 EDUCATION

M.E. – Computer Science *(GPA: 8:3)*
BITS Pilani | 2022

B.E. – Computer Science *(64%)*
RGPV | 2018

🖼️ ACHIVEMENTS

Achieved **99**th percentile score in GATE 2020 exam, securing **AIR of 782**

🎯 FUNCTIONAL SKILLS

Algorithms and Data Structures

Software Development Lifecycle

Project Management

API Integration

Requirement Gathering

Problem-solving

Testing and Quality Assurance

Database Management

Team Coordination

🎗️ CERTIFICATION

Certification in Deeplearning.AI
Circle CI Associate Developer

Shubham Mishra

SOFTWARE ENGINEER

Driven Software Engineer with a wealth of knowledge in creating and improving features for various applications. Competent with Front-end Development and adept at designing UIs that are both responsive and easy to use. Devoted to providing creative solutions and code of the highest caliber.

EXPERIENCE

Cisco, Bengaluru ・ Jan 2022 – Present
SOFTWARE ENGINEER   (Aug 2022 – Present)

- Develop and maintain front end of CX Cloud using **Angular**; create 20+ web pages within CX Cloud application
- Performed performance analysis of web pages, including Web Core Vitals such as Largest Contentful Paint and First Contentful Paint, as well as API response times. Integrated frontend components with backend services for effective data exchange, employing various **performance optimization** techniques to ensure seamless communication and reduce data load times by 30%.
- Refactored legacy code by moving from **NGRX** to **Component Store**, which eliminated over 30 extra files and libraries, resulting in a 24% reduction in lines of code, improved logic of implementation and performance optimization .
- Utilize **Cypress** for end-to-end testing and conduct unit testing with a coverage of over 96%, ensuring feature reliability and functionality.
- Contribute to server-side development using Node.js, including API creation and backend logic.
- Demonstrate expertise in **HTML**, **CSS, JavaScript and Typescript** creating over 20 responsive and visually appealing web page development.
- Review and provide feedback on 50+ pull requests to uphold coding standards and optimize code efficiency.

KEY INITIATIVE:

Machine Learning on Cisco CX Dashboard

- – Developed and deployed **ML model** using Support Vector Regression (SVR) to predict system component faults for next 30 days.
- – Enhanced prediction accuracy by applying feature extraction techniques.
- – Applied data visualization with Matplotlib and Seaborn to track and analyze fault trends.
- – Achieved 98% R^2 value, projecting high forecast accuracy due to data's linear nature.
- – Integrated model with **Flask** backend and Angular frontend for real-time fault prediction and display.

INTERN   (Jan 2022 – Jul 2022)

- Designed and implemented support bot to streamline Cisco licensing queries and resolution.
- Scripted core functionalities in Python; implemented **webhook** for seamless API interaction, enabling real-time data retrieval.
- Developed a dedicated website to host bot for seamless and open platform for obtaining licensing support.

PUBLICATIONS

Paper Publication on Machine Learning (ML), BITS Pilani

- Led sentiment analysis project on IMDb movie reviews, exploring feature extraction and selection techniques with ML models including SVM, Logistic Regression, Random Forest, Naive Bayes, Decision Trees, and XGBoost.
- Evaluated feature extraction methods like Count Vectorization, TF-IDF, and Word2Vec.
- Compared models based on accuracy, F1 score, and execution time.
- Achieved 90% accuracy using TF-IDF vectorization, Chi2 feature selection, and SVM, with feature selection reducing training time while maintaining performance metrics.