SHRUTHI S RAO

Bangalore,Karnataka

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PROFESSIONAL SUMMARY

Results-driven Information Science Engineer specializing in software development, data analysis and database management , adapt at transforming data into impactful digital solutions that drive innovation. Proven ability to boost productivity ,accelerate growth and security by 50 percent through advanced technological strategies.

EDUCATION

Nitte Meenakshi Institute Of Technology	**Dec 2020 – Oct 2024**
Bachelor Of Engineering in Information Science - **CGPA** *- 8.75*	*Bangalore,Karnataka*
CMR National PU College	**Mar 2019 – Mar 2020**
Karnataka Pre-University Board - PCMC - **Percentage** *- 91.5%*	*Bangalore,Karnataka*
SJR Public School	**Mar 2017 – May 2018**
CBSE Board - **Percentage** *- 96.66%*	*Bangalore,Karnataka*

TECHNICAL SKILLS

Languages: Python,R, Java, JavaScript, SQL, HTML, CSS
Developer Tools: Visual Studio Code, Jupyter Notebook, Eclipse, Figma, Pycharm,Postman,ThunderClient
Data and Analysis Tools: Tableau, Excel, PowerPoint, Word
Technologies/Frameworks: Python Libraries,Pandas,Numpy, Databases,React.js,Tailwind CSS,Matplotlib,Firebase,Node.js,Material UI,RDBMS,Plotly,MongoDB,Express.js,Sass,Strapi,API
Course Work: Data Analysis , Database Management System, UI/UX Design, Object-Oriented Programming
Extra-Curricular: IEEE student member(technical research), Design club (UI/UX) , Volunteering for events.

PROJECTS

Digital Transaction Simulator System ⬈ | Java , MySQL(**Database**)

- Designed and enforced a secure transaction simulator with user authentication and real-time banking operations and enhancing user experience and interaction by 50 percent.
- Optimized transaction processing by 20 percent, improving system security and data integrity by 35 percent.

Ecommerce Sales Insight Dashboard and HR Analytics ⬈ ⬈ | Excel, Tableau

- Developed interactive dashboards to analyze sales trends and HR data, amplify decision-making speed by 25 percent, magnify operational efficiency and precision by 70 percent.
- Increased operational efficiency by 30 percent through data visualization and predictive analytics.

APPLIED EXPERIENCE AND RESEARCH CONTRIBUTIONS

Insight Analyst Intern⬈   Nov 2024 – Jan 2025

- ∗ Conducted data analysis using Python and SQL , studying trends, improving insight accuracy by 80 percent.
- ∗ Created Real Estate Price Predictor to refine market trend by 40 percent and attained IBM certification .
- ∗ Reduced reporting time by 25 percent , enabling faster strategic decision-making by 40 percent.

IEEE Conference Paper: Ensemble Defect Prediction(ICDSIS) ⬈   May 2023 – May 2024

- ∗ Researched and implemented ensemble deep learning models (MLP, LSTM, CNN) to achieve 60 percent enhance improvement in software defect prediction and positively impacting software standard.
- ∗ Achieved 82 percent accuracy in defect detection, significantly enhancing software quality and reliability.

Software Developer and UI/UX Designer ⬈   Oct 2022 – Nov 2022

- ∗ Developed responsive web applications using HTML, CSS, JavaScript, improving load speed by 50 percent.
- ∗ Executed 60 percent effectiveness on Fusion Store , MERN File Sharing System, UI/UX designs and API.
- ∗ Earned Udemy certification in Web Development, intensify expertise in design principles by 50 percent .
- ∗ Optimized website performance and accessibility, increasing user engagement by 20 percent.

CERTIFICATIONS

- IBM Badges and Udemy Certifications ⬈
- APPMITRA Hackathon - APP Monster
- Data Analysis By IBM & MindLuster ⬈
- Anaadyanta
- CloudZilla Event
- Mern Stack
- MasterCraft Data Plus - TCS
- Developer Virtual Program - Accenture
- Figma, Database in Python - Udemy ⬈