

RITHIK BALAJI.G.H

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CAREER OBJECTIVES

I am a ComputerScience student with strong knowledge in programming and problem solving. Passionate about learning new technologies to build projects based on that technologies which solve the real world problems and work on innovative projects.

SKILLS

JAVA PROGRAMMING ,PYTHON, DATABASE(SQL) , WEBDEVELOPMENT(HTML,CSS,JAVASCRIPT) , GIT AND GITHUB .

PROJECTS

Fire rescue sonar aid

Designes an ultrasonic sensor based obstacle detection system for fire rescue applications. Implementes sensors and microcontrollers such as Arduino for real time distance measurement. Assisted navigation in smoke filled low visibility environments.

TechStack : Python, Arduino IDE, real time sensor data processing.

SMS spam detection

Developed a SMS spam detection system using python and TensorFlow to classify messages as spam or ham. Trained and evaluated machine learning models to improve classification accuracy. Evaluated model using accuracy, precision, recall and F1 score to compare performance.

Tech Stack: Python, TensorFlow, NumPy, Pandas, NLP.

INTERNSHIPS

Web Development Intern - CodeBind Technologies(Dec-2024)

Built responsive web pages using HTML and CSS, improving user interface design and functionality.

Machine Learning Intern - DLK Solutions(June-2025)

Learned fundamentals of machine learning using python and worked with python libraries and learned to build a basic ML model and understand data preprocessing and data evaluation.

EDUCATION

PANIMALAR ENGINEERING COLLEGE

Bachelor of engineering (Computer Science and Engineering) **CGPA-7.9**

CHETTINAD VIDYASHRAM

Higher secondary - **Percentage 75**

CHETTINAD VIDYASHRAM

Secondary Education - **Percentge 72**

CERTIFICATIONS

- UiPath Automation Developer Associate Training – NASSCOM.
 - Acquiring data – NASSCOM
 - Basic of Microsoft Power BI – UNI ATHENA
 - Basic of Python – UNI ATHENA
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ACHIEVEMENTS

- Attended a hackathon conducted on SRM KTR and got placed 24th out of 115 team participated. Got a chance to speak with investors and how to improve and sell a product in a market.
 - Conducted a workshop in college on basics of Figma.
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