Krishna Chaitanya Bhasuru

Software Engineer | Web Developer
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Education

Qualification	Year of Passing	School/Institute	Board/University	CGPA/Percentage
MS in Computer Science	2025*	California State University, Fresno	California State University	-
B.Tech (Computer Science and Engineering)	2020	Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad	Autonomous	8.99
Class XII	2016	Sri Chaitanya Narayana Junior College, Hyderabad	Board of Intermediate Education, Telangana	93.5%
Class X	2014	Sarathi School, Hyderabad	Central Board of Secondary Education	9.4

* Expected graduation

Skills

- **Programming Languages:** Java, Python, C, C++, JavaScript, PHP, SQL, MySQL, NoSQL
- **Frameworks:** Angular, ReactJS, NodeJS, SpringBoot, Maven, MariaDB, Postgres, PostgreSQL, MongoDB, Oracle, Snowflake, Flask, Django, Docker, Artificial Intelligence, MachineLearning, DeepLearning, TensorFlow
- **Miscellaneous:** Github, Version Control, CI/CD, Linux, Ubuntu, REST, SOAP, JSON, HTTP, Shell, Jenkins, Eclipse, VisualStudiocode, DataStructures and Algorithms

Experience

Research Assistant - California State University

May 2024 – Present

- Working for the Center for Irrigation Technology (CIT), automating irrigation equipment and developing applications.
- Automating pumps using Modbus Protocol for enhanced efficiency and control.
- Extracting and processing data from the web soil survey.
- Deploying web applications related to soil survey data.

Software Engineer – TCS

Sep 2020 – Aug 2023

- Developed and deployed RESTful services for managing customer data.
- Designed web pages and endpoints for CRUD operations on customer data.
- Created Angular components for data visualization and interaction.
- Implemented data pipelines in Java to process over 100,000 records daily.
- Configured Oracle and Snowflake databases for efficient data storage and retrieval.
- Integrated Microsoft Graph API for user authentication in Angular.
- Devised and implemented a tree-traversal algorithm for hierarchical data selection.

Projects

Helmet detection system using Object Detection (Yolo v2, v3)

March 2020

- Designed a Machine Learning Pipeline for data ingestion and preparation.
- Developed a Full Stack Machine Learning project to recognize motorcyclists without helmets using Flask and Django.

Malicious URL Predicting System using Decision Tree Algorithm

November 2019

- Used an ensemble model (XGBoost) on pre-processed data to detect malicious URLs.
- Developed a PhantomJS script to scrape features of a web page and generate input for the model to predict.

- Provided TkInter GUI as a front-end for the user to interact with the system.