

LALITHAMBICA CHEPURI

CONTACT

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Bangalore, Karnataka

SKILLS

Languages – C++, Python, C#, SQL, Matlab, HTML, CSS, JS, Julia

Frameworks & Libraries – ReactJS, NodeJS, JQuery, ExpressJS, NumPy, Pandas, Scikit Learn, Matplotlib, OpenCV, YOLO, Tensorflow, tkinter

Cloud & DevOps– AWS(S3, EC2, Route52, IAM, DynamoDb), Azure(Blob Storage), Jenkins, Git, BitBucket,

Concepts –Networking, OOPs, Database Management System, Deep Learning, OS, PowerShell, Linux fundamentals

RELEVANT COURSES

Data Science

Matrix Theory

Computer Organization

Estimation and Detection Theory

Object Oriented Programming

Introduction to Statistical Learning

Data Handling and Visualization

Information Security and Privacy

EDUCATION

I.I.T Mandi – B.Tech EE, 2020 - 2024

Tirumala Jr College – 12th 2020

Tirumala School – 10th 2018

EXPLORATIONS

Azure Services & DevOps

System Design & Scalability

Deep Learning model optimizations

WORK EXPERIENCE

Accenture | Nov, 2024 - Present (Packed Application Development Associate)

Developed extensive knowledge of DevOps, Agile techniques, and SDLC. Explored on AWS and DevOps concepts. Gained practical expertise with automation frameworks like Selenium and Cucumber, as well as exploring various testing approaches.

PROJECTS

SecureLink Azure | June, 2024

(Microsoft Azure, Node.Js, Blob, Express, Multer)

Designed and implemented a **secure file storage** and sharing system leveraging Microsoft **Azure Blob Storage** to manage files within defined size limits while ensuring secure, time-bound access using uniquely generated links. Integrated **Node.js** and **Express.js** to develop a robust backend infrastructure, optimizing file handling and management with Multer for efficient uploads. To enhance security, an automated deletion mechanism was incorporated to remove files upon expiration.

Multimedia Streaming Platform | Sep, 2023

(ReactJS, ExpressJS, NodeJS)

Developed a full-stack multimedia streaming platform, integrating **ReactJS** for an intuitive and dynamic front-end user experience while utilizing **Node.js** and **Express.js** for seamless backend functionality. Implemented video processing to ensure efficient content delivery and a smooth user experience. Implemented a basic recommendation system that suggests content based on user preferences and watch history, enhancing user engagement.

Student Database Management | June, 2023

(MYSQL, NodeJS, ExpressJS)

Developed a comprehensive student database management system, enabling efficient handling of student records with functionalities such as adding, updating, searching, viewing, and deleting records. Integrated an **csv** export feature to facilitate data extraction and reporting. Designed an intuitive user-friendly interface, enhancing accessibility and ease of use for end-users using **Node.js**.

FCNN on FPGA: | Apr, 2023

(TensorFlow, Python, Verilog, Vivado, FPGA)

Integrated **TensorFlow** for model training and verification, ensuring accuracy and efficiency in **neural processing**. Developed software logic to interface with hardware components, optimizing data flow between the FPGA and software layers. Focused on high-performance computing by leveraging hardware-software co-design, enhancing neural network execution speed and efficiency.