

LIKHITH HARISH ANUMUKONDA

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EDUCATION

Stony Brook University

Master of Science in Computer Engineering (3.81/4)

Indian Institute of Information Technology, Kancheeपुरam

Bachelor of Technology in Mechanical Engineering (8.11/10)

Aug 2022 – May 2024

Stony Brook, New York

Jul 2015 – May 2019

Tamil Nadu, India

EXPERIENCE

Software Engineer • Tata Consultancy Services

Hyderabad | Sep 2020 - Jun 2022

- **ICICI Android App Development:** Android, Java, Springboot, Microservices, RESTful API, Retrofit, Cordova.
- Revamped UPI module architecture and Oracle database schema to safeguard against UPI fraud via Mobile Number swap, mitigating potential risks for approximately **40% of existing users**.
- Optimized the app flow for the login and activation of Android UI, ensuring secure user authentication and access restrictions for users below **4 lower app versions**.
- Developed a user-centric Offer recommendation service capable of handling a substantial user load (**approx. 12,000 req/min**), resulting in a notable drop in average response time to **less than 200ms**.
- Played a pivotal role in optimizing API services, orchestrating seamless integration of RESTful API services across diverse app modules. Achieved a notable **2-3x speedup** in backend responses, greatly enhancing system efficiency.

Associate Software Engineer • Tata Consultancy Services

Hyderabad | Sep 2019 - Sep 2020

- **DBS Bank Web Development:** Angular, HTML, CSS, Javascript, Typescript, Jasmine, Karma.
- Spearheaded the development of the Front-end for a web application on the DBS Bank project, leveraging Typescript and the Angular framework. Implemented reusable and scalable Angular components spanning multiple modules.
- Conducted thorough unit tests using Jasmine & Karma, ensuring code quality and successfully **resolving 95% of the identified bugs** in the codebase.

Software Intern • Tata Motors

Pune, India | May 2018 - Oct 2018

- Analyzed data from the PLC and sensory units and utilized Principal Component Analysis and regression models to predict defects in the BIW line of Xenon vehicle, resulting in a **90% chance of near 0 defects**.
- Built an R shiny dashboard to display predictions and automate daily KPI report generation. The manufacturing process changes resulted in a **15% reduction** in defects per station.

SKILLS

Languages: Java, Python, JavaScript, C++, C, R, SQL, HTML, CSS, Typescript, MATLAB.

Libraries & Frameworks: Spring Boot, Spring MVC/Security, Bootstrap, Tailwind CSS, Keras, Tensorflow, Node JS, Express, React JS, Angular, Flask, Retrofit, Dagger-HILT, JetPack Compose.

Tools: Docker, GIT, PostgreSQL, MySQL, SQLite, SVN, MongoDB, JDBC, Hibernate, ROOM Database, Firebase.

Skills: FullStack Web Development, Android Development, Object Oriented Programming(OOP), Machine Learning.

PROJECTS

Chat Multiple PDF: (Python, Flask, Streamlit, Langchain, Open AI GPT 3.5 Turbo, Huggingface AI)

- Developed an interactive web app operating as a ChatGPT-like Language Model, harnessing multiple PDF input to deliver accurate answers to user prompts solely from the data within PDF's, resulting in a 90% user prompt accuracy.

NoteTaking Android App: (Jetpack Compose, MVVM Architecture, ROOM Db, Dagger-HILT DI, Canvas)

- Innovated and programmed a scalable, responsive Android note-taking app using Clean Architecture. Incorporated a card view for notes with automatic resizing, not accommodating more than 10 lines of content.

Restaurant Recommendation System: (Python, BeautifulSoup, GeoCoder, FourSquare API, KNN)

- Engineered Restaurant Recommendation System with city neighborhood data, applying Clustering algorithms (KNN) for predictions and map visualization, enhancing accuracy by **20%**.

Image Formation - Computer Animation & AR: (Python, OpenCV, Numpy, 3D rigid-body motion)

- Achieved an average **pixel-level accuracy of 92%** in accurately mapping 3D object coordinates to 2D image coordinates under various 3D rigid-body motions, demonstrating the robustness and accuracy of the implemented image formation.

ACHIEVEMENTS AND ACTIVITIES

Graduate Assistant: at the University Library, with responsibilities of supporting student patrons with research.

Digital Developer, TCS: Attained the position as the top-performing employee organization-wide within 1 year.

NLP Conference: Delivered a compelling NLP text mining talk to a 400-member audience at TCS.

Image Enrichment AI Hackathon, TCS: Participated in the hackathon to address Watermark Removal, Rotation Adjustment, and Skewed Images, and the model got selected for skewed image correction.