


LIKHITH HARISH ANUMUKONDA

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EDUCATION

- **Stony Brook University, The State University of New York** **Aug 2022 - May 2024**
Master of Science in Computer Engineering, (GPA: 3.81/4.0)
Stony Brook, NY
Courses: Data Structures & Algorithms, Machine Learning, Network Security, Digital Image Processing, Computer Vision
- **Indian Institute of Information Technology (IIITDM), Kancheepuram** **Jul 2015 - May 2019**
Bachelor of Technology in Mechanical Engineering, (GPA: 8.11/10.0)
Chennai, India
Courses: Computational Engineering, Designing Intelligent Systems, Data Analytics

SKILLS

- **Languages:** Java, Python, C++, C, R, SQL, HTML, CSS, JavaScript, Typescript, MATLAB
- **Frameworks:** Spring Boot, Spring MVC/Security, Bootstrap, Tailwind CSS, Keras, Tensorflow, Node JS, Express, React JS, Angular, Flask, Retrofit, Dagger-HILT
- **Tools:** Docker, GIT, PostgreSQL, MySQL, SQLite, SVN, MongoDB, JDBC, Hibernate, ROOM Database, Firebase, Canvas
- **Skills:** Frontend/ Backend web development, Android development, Object Oriented Programming(OOP), Machine Learning

EXPERIENCE

- **Tata Consultancy Services** **Sep 2019 - Jun 2022**
Software Engineer (Full-time)
Hyderabad, India
 - 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's 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 of average response time to **less than 200ms**.
 - Collaborated on the development of performance-driven API services and seamless integration of RESTful API services across various app modules making backend calls **2-3x faster**.
 - Contributed to the development of the Front-end of a web application for DBS Bank project using Typescript and Angular framework. Created reusable and scalable Angular components across multiple modules.
 - Conducted thorough unit tests using Jasmine & Karma, ensuring code quality and successfully **resolving 95% of the identified bugs** in the codebase.
- **Tata Motors** **May 2018 - Oct 2018**
Software Intern
Pune, India
 - 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.

PROJECTS

- **ChatPDF** (Python, Flask, Streamlit, Langchain, Open AI GPT 3.5 Turbo, Huggingface AI) **Aug 2023**
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.
- **Notes Android App** (Jetpack Compose, MVVM Architecture, ROOM Db, Dagger-HILT DI, Canvas) **Mar 2023**
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.
- **Portfolio Website** (ReactJS, Tailwind CSS, Bootstrap, Particle.js, Cloudflare) **Dec 2022**
Designed a captivating portfolio website utilizing React for dynamic user interfaces, Tailwind CSS, and Particle.js for engaging particle animations, integrated seamless email communication form resulting in an immersive user experience, achieving a 90 chrome performance accessibility score.
- **Restaurant Recommendation** (Python, BeautifulSoup, GeoCoder, FourSquare API, KNN) **May 2021**
Engineered Restaurant Recommendation System with city neighborhood data, applying Clustering algorithms (KNN) for predictions and map visualization, enhancing accuracy by **20%**.
- **Image Enrichment AI Hackathon** (Python, OpenCV, Tensorflow, Pandas, Keras) **Jan 2021**
Utilised OpenCV methodologies in Python to address Watermark Removal, Rotation Adjustment, Skewed Images, and Blacked Images, **successfully correcting 70% of the dataset** provided for the AI Hackathon Challenge.

LEADERSHIP EXPERIENCE

- Graduate Student Assistant at University Library, with responsibilities of supporting student patrons with research.
- Attained the position of **Digital Developer** as the top-performing employee organization-wide within 1 year.
- Delivered a compelling NLP text mining talk to a 400-member audience at TCS, showcasing expertise in the field.
- Guided and mentored 3 new team members at TCS, providing comprehensive expertise in various technologies & project methodologies.