LIKHITH HARISH ANUMUKONDA ⤴

✉: likhithharish.anumukonda@stonybrook.edu | 📞: +1 631-805-3930 | 🔗: /likhith-harish | 🐙: /likhithharish | 📍: NY

EDUCATION

Stony Brook University   **Aug. 2022 – Present**
Master of Science in Computer Engineering, (GPA: 3.75/4.0)   *Stony Brook, NY*

Indian Institute of Information Technology, Design and Manufacturing   **Sep. 2015 – May. 2019**
Bachelor of Technology in Mechanical Engineering, (GPA: 8.11/10.0)   *Chennai, India*

EXPERIENCE

Tata Consultancy Services Pvt. Ltd   **Sep. 2019 – Jun. 2022**
Senior Software Engineer   *Hyderabad, India*
- **ICICI App Development (Android/iOS):** Implemented a solution to prevent **UPI fraud** through Mobile Number swap. Modified the overall schema of the **Oracle database** that can prevent fraud for about **40% potential users.**
- Collaborated on performance-driven **API services** development and consumed **SOAP and RESTful** web services in various app modules.
- Developed the new flow for the login and activation interfaces that securely authenticates users. Modified the **AES encryption and hashing algorithms** for storing critical details like banking usernames and passwords.
- Programmed a user-centric offer **Recommendation Web Service** that can handle a vast user load (**approx. 12000 requests/minute**), decreasing the average response time to **less than 200ms**.
- **Technologies:** Java/J2EE frameworks, JUnit, Spring, Spring Security, Microservices, Oracle DBA, Hibernate, SQL, Web, KnockOut Js, Android Studio, Cordova, SVN, Agile development, Sprint Planning.
- **DBS Bank Web Development:** Assisted in the development of the **Front-end** of a web application using **Typescript** and the **Angular** framework. Application scaling and code optimization by **re-framing the APIs**.
- Worked on writing **unit test cases and service integration** for migrating existing bank applications to the latest **Angular** Version. Reduced deployment **rollbacks by 15%** with unit test cases in **Jasmine**.
- **Technologies:** HTML, CSS, Bootstrap, JavaScript, Angular 8, Typescript, Git, MongoDB, Firebase, Google Analytics.

Tata Motors   **May. 2018 – Oct. 2018**
Software Intern   *Pune, India*
- **Defect Tracking & Predictive Analysis:** Focused on achieving zero defects in the BIW line of Xenon vehicle. The data collected is processed using **Principal Component Analysis** and defects are predicted using **regression models**.
- The defects predictions are displayed on the shiny dashboard, **reducing the defects per day by 20% in each station.**
- **Technologies:** R, PLC programming, Multivariate regression, Support Vector Machine, PCA, (KPI) report.

PROGRAMMING SKILLS & COURSEWORK

Languages: Java, Python, C, R, SQL, HTML, CSS, JavaScript, Typescript, MATLAB, React JS.
Frameworks/Tools: Spring MVC/Security, Spring Boot, Hibernate, Oracle DBA, JDBC, MongoDB, Bootstrap, Angular, Python Libraries, Tensorflow, Git, Version Control, Android, Node JS, Express.

PROJECTS & PORTFOLIO ⤴

Note Taking Android App ⤴ | *Android Jetpack Compose, Clean/MVVM Architecture, ROOM Db, Dagger-HILT DI, Canvas.*
- Designed and developed a note-taking android app that is responsive and can be scaled with further integration utilizing existing Clean Architecture. A special feature is the card view of the note on the dashboard.

Recommendation system ⤴ | *Python, BeautifulSoup, GeoCoder, FourSquare API, Clustering Algorithms.*
- Developed a system for providing recommendations to open a restaurant by using neighborhood data in a city. Predictions are provided using Clustering algorithms(K-means) and visualized in a map view.

Image Enrichment AI Hackathon ⤴ | *Python, OpenCV, Tensorflow, Pandas, Keras.*
- Utilized OpenCV methodologies in Python for Watermark Removal, Rotation Adjustment, Skewed Images, and Blacked Images. The methods implemented were able to correct 60% of the dataset shared for the AI Hackathon Challenge.

FP Growth & Decision Tree Implementation ⤴ | *Python, Pandas, Numpy, Sklearn, Matplotlib.*
- Implemented FP growth & Decision Tree algorithms(using GINI Index, Gain Ratio, Information Gain) in Python from scratch without using existing libraries. Tested the algorithm on various benchmarks and analyzed different metrics.

LEADERSHIP / EXTRACURRICULAR

- **Graduate Student Assistant:** @Stony Brook University Libraries. Responsibilities include maintaining students' records and assisting students with research.
- **Digital Developer:** Achieved the tag with 100% compensation for being the top performing employee across the organization and received this role within 1 year of joining.
- Presented a talk on NLP text mining on the web for an audience of 400 @TCS. Received an 'A'-band review rating for my work for two years @TCS.