Mohana Satyanarayana Moganti

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EDUCATION

Master of Science, Software Engineering   Aug 2023 - May 2025
San Jose State University, San Jose, CA
- GPA : 3.54 / 4.0

Bachelor of Engineering, Information Technology   Aug 2016 - Aug 2020
Osmania University, Hyderabad, TS
- GPA : 3.54 / 4.0

ACADEMIC COURSES

Data Mining, Machine Learning, Data Structures, Software Engineering, Database Systems, Artificial Intelligence, Web Application Development, Design & Analysis of Algorithms, and Data Science.

WORK EXPERIENCE

Officer 1 - Associate Developer, AlterDomus, Hyderabad   May 2023 - Jun 2023
- Architected and implemented solutions for over 30 database and server issues, optimizing performance of ASP files and procedures. Conducted in-depth economic evaluations to ensure cost-effective design decisions, resulted in a marked enhancement of system efficiency and a reduction in operational expenses.
- Utilized mathematical modeling to enhance system performance, resulting in a 15% increase in processing efficiency and a 20% reduction in computational errors, improving accuracy of project outcomes.

RFA Associate Software Analyst, Deloitte, Hyderabad   Aug 2021 - May 2023
- Collaborated with IT professionals to refine database and procedure management via MSSQL. Spearheaded ticket resolution pertaining to MSSQL, procedures, and ASP files, while addressing server-side issues. Engaged directly with clients to manage and troubleshoot real-time production environment issues, enhancing system reliability.
- Earned a spot award for exceptional determination and hard work contributing to a critical release, reflecting a strong commitment to project success.

Trainee Software Engineer, Turito Pvt. Ltd., Hyderabad   Jan 2021 - Jul 2021
- Developed a RESTful API using Scala to support a prominent educational project, subsequently evolved into an independent entity. Crafted SQL queries, designed database schema, and programmed procedures to execute essential functionalities.

Trainee Software Engineer, YuppTV India Pvt. Ltd., Hyderabad   Jan 2020 - Dec 2020
- Spearheaded creation of a RESTful API using Scala, served as backbone for a major educational initiative. developed SQL queries, structured database schema, and crafted procedures to streamline functionality.
- Undertook key initiatives to bolster an internal e-commerce project, increasing operational efficiency and customer engagement by 5% during internship tenure.

Intern, Centre for Development of Advanced Computing (CDAC), Hyderabad   May 2019 - Jun 2019
- Acquired proficiency in Kali Linux and cybersecurity essentials, mastering Linux commands and security practices during internship.

PROJECT EXPERIENCE

Credit Card Validator, San Jose State University   Oct 2023 - Dec 2023
- Engineered an individual project to create a Credit Card Validator, accurately verifying credit card details from xls, xml, or csv files, providing clear messages for any invalid entries detected.

Movie Ticket Booking, San Jose State University   Sep 2023 - Dec 2023
- Collaborated with a team of three developers, co-built a dynamic Movie Ticket Booking platform. Platform leverages the MERN stack and real-time data, offering an AWS-hosted environment with load balancing capabilities.
- Revamped platform with an interactive dashboard, seat selection options, a rewards system, and a mapping function, resulting in a 20% boost in user engagement and a 30% reduction in navigation time to theatre venues.

Data Analysis on Drug Overdose Deaths, San Jose State University   Sep 2023 - Nov 2023
- Conducted a rigorous study of drug overdose trends, analyzing over 60,000 records to identify key patterns in major urban areas, thereby supporting targeted public health policies.
- Investigated root cause analysis to identify key factors in national overdose epidemic, contributing to strategic recommendations aimed at reducing fatalities and informing prevention efforts.

Solvas Asset Management, Deloitte   Aug 2021 - May 2023
- Customized and updated MSSQL stored procedures to meet specific business requirements as part of backend development expertise in MSSQL and ASP.NET technologies.

- Collaborated in tandem with 5 clients to promptly address and rectify production environment issues, ensuring optimal performance and reliability of ASP.NET applications.

Turito, YuppTV India   Jan 2020 - Jul 2021
- Served as a backend developer, implemented a range of stored procedures in Scala. also created APIs to facilitate all CRUD operations and directed API testing using Postman.

FShare, Osmania University   Jul 2019 - May 2020
- Designed and deployed a secure file-sharing system tailored for exclusive distribution of sensitive files to authenticated users, employing Blowfish Algorithm, is optimally suited for use with LSB Steganography, to provide top-tier encryption and privacy during file-sharing process.

Remote Joystick, Personal   Sep 2019 - Oct 2019
- Engineered a lightweight joystick emulation project for personal computers, achieving gameplay with minimal hardware requirements and a low ping of 10ms or less, utilizing small data packet transmission for efficient communication.

PUBLICATIONS
In 2020, I authored a publication on "Learning Based Approach for Hindi Text Sentiment Analysis Using Naive Bayes Classifier," with a focus on analyzing sentiment in newspaper headlines, in the International Journal of Innovations in Engineering Research and Technology (IJIERT).

TECHNICAL SKILLS
- Programming: Objective C | C++ | Python | SQL | Scala | MongoDB | MERN Stack | HTML | CSS | XML
- Technical: Microsoft Office Suite (Word, PowerPoint and Excel) | Kali Linux | Git | API

INTERESTS
Basketball | Pencil Sketching | Anime | Video Games