Suyash Salvi

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Detail-oriented CS graduate with a 2+ years experience in ML, & web dev.Seeking a full-time internship.

EDUCATION

Santa Clara University   Santa Clara, CA
Master's in Computer Science (MSCS)   *Expected Mar 2025*

Mumbai University   Mumbai, India
Bachelor's in Computer Science & Engineering (BE)   *May 2020*

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, Typescript, GoLang, Dart, C/C++
Database Technologies: Relational (PostgreSQL, MySQL, Oracle), Non-Relational (MongoDB, Redis)
Tools &Platforms: Azure, AWS(Lambda, Glue, EC2, S3, DynamoDB), Docker, Kubernetes, Jenkins, CI/CD, Cognos TM1, Jira, Git, PyTorch, TensorFlow, Power Shell
Web Technologies: ReactJS, AngularJS, NextJS, AJAX, NodeJS, ExpressJS, jQuery, Flask, Django, Flutter, RESTful API, GraphQL, Bootstrap, TailwindCSS

EXPERIENCE

Graduate Research Assistant   Aug 2023 – Dec 2025
Santa Clara University   *Santa Clara, CA*
- Assisted in teaching Introduction to Algorithms and Mathematics: graded assignments, provided feedback, and addressed queries, including broad range of algorithms, and derivations, for diverse cohort of 60+ students.

Software Engineer   Aug 2020 – Dec 2022
LTIMindtree   *Mumbai, India*
- Implemented an impactful insurance management system with NodeJS and ExpressJS, integrating MongoDB for efficient data storage, resulting in a 30% faster policy processing; Deployed on AWS, accomplishing a 40% improvement in system scalability and a 20% reduction in downtime, ensuring increased reliability.
- Achieved 28% enhancement in client retention, by utilizing AutoML with TPOT to optimize machine learning models on insurance-based datasets gathered from platforms like Snowflake, Cognos TM1, Qliksense, Databricks, and SQL Server.
- Collaborated in development of ETL pipeline by leveraging IBM Cognos TM1, Pandas, Spark, MySQL to build 100+ data-driven multidimensional relational databases helping in deciding effectiveness of insurance policies.
- Developed Reactjs microservices for claims analysis dashboard, utilizing D3.js to create interactive charts, leading to a 15% increase in risk assessment accuracy.
- Implemented agile methodologies, attending daily stand-ups and sprint planning sessions to ensure 20% faster collaboration and adaptation to changing project requirements, reducing latency in development cycles.

PROJECTS

Selection of optimal team *| ReactJS, Flask, Git, ML(Random Forest) | Research Paper | GitLink*
- Designed a web app to automate cricket team selection, attaining 73% overall accuracy rate.
- Implemented Jest unit tests (97% coverage) for web app functionality, ensuring accurate cricket team selection.

Real-Time Video Conferencing Platform *| ReactJS, NodeJS, ExpressJS, WebRTC, RESTful API, JWT | GitLink*
- Devised real-time WebRTC-based video conferencing utilizing React Router and Redux.
- Created scalable WebSocket server using Redis, boosting real-time chat and meeting collaboration.

Dynamic Bookstore Management System *| Django, DTL, Server-side Pagination, Docker, AWS | GitLink*
- Created a dynamic book catalogue with advanced search functionality, to browse, search, customized cart.
- Containerized the application using Docker, and deployed leveraging Amazon EC2.

Face Recognition App *| AngularJS, OpenCV, Data Augmentation, Haar Cascade, LDA, SVM| GitLink*
- Developed a web app to mark attendance, employing automatic face detection from classroom image.

CERTIFICATIONS/COURSES

- Published a Research Paper on the Topic: 'Machine learning-based: Selection of optimal cricket team based on the players' performance' at 2020 5th International Conference on Communication and Electronics Systems (ICCES).
- Attained 'Microsoft Certified: Azure Fundamentals' Certification, gaining a solid foundation and knowledge in cloud computing solutions and services.
- **Relevant Courses**: Machine Learning, Algorithms, Operating Systems, Computer Networks, Cloud computing, Object Oriented Programming, Software Engineering, Data warehousing & Mining