

EDUCATION

- **San Francisco State University**
Master of Science - Computer Science; GPA: 3.88/4.00
Courses: Analysis of Algorithms, Cloud Technologies, Software Engineering, Operating Systems, Machine Learning
 - **Visvesvaraya Technological University**
Bachelor of Science - Information Science and Engineering; GPA: 8.95/10.00
Courses: Data Structures, Database Management Systems, UNIX/Linux, Distributed Systems, Artificial Intelligence

August 2023 - Expected May 2025

August 2018 - July 2022

ACCOMPLISHMENTS

- The Linux Foundation: Kubernetes Certified Application Developer - CKAD (*In Progress*)
- Amazon Web Services: AWS Certified Cloud Practitioner (October 2024)

EXPERIENCE

- **Associated Students, San Francisco State University**
Web Developer-IT Technician (Linux, Docker, Kubernetes, AWS EC2, RDS, IAM)
 - Devised cloud infrastructure scalability, enhancing resilience to handle 20% more traffic and 99.9% uptime for AS SFSU
 - Optimized cloud resource utilization with auto-scaling while sustaining efficiency, reducing infrastructure costs by 10%
 - Streamlined containerized CI/CD pipelines, cutting manual deployment time by 8 hours and improving release stability
 - Enhanced reliability by automating load balancing on EC2 instances, enabling the platform to support 20% more traffic
 - **LTIMindtree**
Senior Software Engineer (Java, C#, Selenium, JUnit, CI/CD, Jenkins, JIRA, Azure)
 - Resolved 250+ production bugs, refining test cases with cross-functional team collaboration to ensure 95% test coverage
 - Piloted a POC for ACTS tool, automating test generation, cutting manual testing by 40%, and boosting coverage by 30%
 - Delivered 100+ automated test cases for a Java .NET application, minimizing manual testing time by 60 hours per release
 - Automated integration testing on Azure pipelines, accelerating deployment cycles, and improving Agile workflows by 30%
 - Documented test insights enhancing Continuous Integration, expediting decision-making and defect resolution by 35%
 - **Code13 Edutech Private Limited**
Web Development Intern (PHP, HTML/CSS, PostgreSQL, AJAX)
 - Represented an 8-member team to develop a marketing website, boosting traffic by 25% and accelerating engagement
 - Integrated REST APIs and Docker containerization, ensuring technical alignment for scalable end-to-end development
 - Used Object-Oriented Programming (OOP) principles, increasing capacity to 200 concurrent users for CodaKaroYaroo

December 2023 - Present

July 2022 - August 2023

April 2021 - June 2021

PROJECTS

- **Student Dropout & Academic Success Prediction - [Github](#)**
(R, Random Forest, Data Preprocessing, Feature Extraction)
 - Revamped a Random forest model using cross-validation (5 - fold) and hyperparameter tuning, gaining 83.2% accuracy
 - Evaluated model with confusion matrix metrics, achieving 94.13% sensitivity and 72% specificity for dropout prediction
 - **San Francisco International Airport Passenger Traffic Visualization - [Github](#)**
(JavaScript, D3.js, React.js, NodeJS, PostgreSQL, Prisma ORM, Vercel)
 - Analysed air passenger traffic data from DataSF containing 35.3K rows & visualized using bubble charts and time-series
 - Identified top 5 destinations and busiest airlines, improving resource allocation and operational efficiency by 25%
 - **Food Ordering Web Application - [Github](#)**
(Node.js, JavaScript, ReactJS, MySQL, API Integration, Nginx, AWS EC2, RDS, Git)
 - Led a 5-member team to develop a full-stack food ordering platform, focusing on backend, animations, and deployment
 - Maintained rigorous oversight across all stages of the Software Development Life Cycle (SDLC), reducing 30% of errors
 - Designed database schemas following ACID compliance and data normalization, improving page load speed by 40%
 - Applied data-driven techniques and code reviews, advised the team on version control, reducing Git conflicts by 75%
 - Presented responsive frontend best practices, and AI-driven development to 50+ students, earning 20 recognition points
 - **Early Detection of Alzheimer's Disease with Blood Plasma**
(Python, SciKit, Numpy, Logistic Regression, Random Forest, Neural Networks)
 - Revitalized a Bi-Recurrent Neural Network for Alzheimer's detection, achieving 92% accuracy on 13,500 ADNI records
 - Reduced features from 150 to 16 using CFS (Correlation-Based Feature Selection), boosting prediction accuracy by 15%

August 2024

January 2024

August 2023

June 2021

SKILLS SUMMARY

- **Soft Skills:** Problem-Solving, Customer Service, Leadership, Communication Skills, Team Player
 - **Languages & Frameworks:** C++, C#, Python, Java, Go, Flask, Django, Express, Bootstrap, Spring Boot
 - **Web Technologies:** HTML/CSS, JavaScript, NodeJS, ReactJS, REST APIs, TypeScript, AngularJS, Kafka
 - **DevOps Tools:** Git, Kubernetes, Docker, Jenkins (CI/CD), Terraform, Ansible, Nginx, Selenium, JUnit
 - **Database:** MySQL, MongoDB, PostgreSQL, PL/SQL, Cassandra, DynamoDB
 - **Cloud Platforms and Tools:** AWS (EC2, RDS), Azure, GCP, JIRA, MATLAB, Bash, Ubuntu

PUBLICATIONS

- **Early Detection of Alzheimer's: Modalities and Methods.** Journal of Artificial Intelligence and Capsule Networks, 4(1), 2022, pp. 69-79
- **Early Detection of Alzheimer's using Blood Plasma Proteins with Recurrent Neural Networks.** International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), 9(12), ISSN: 2394-2320