

Sanmesh Suhas Bhosale

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EDUCATION

San Jose State University San Jose, CA	Expected Dec 2021
Master of Science in Computer Science	GPA: 3.7
Savitribai Phule Pune University Pune, India	June 2018
Bachelor of Engineering in Computer Engineering	GPA: 3.7

Relevant Coursework: Artificial Intelligence, Machine Learning, Design & Analysis of Algorithms, Information Security, Cryptography & Computer Security, Computer Networks, Object-Oriented Programming, Data Mining, Business Analytics & Intelligence

TECHNICAL SKILLS

Programming Languages: Python, Swift, R, Java, SQL, C++, C, Bash, Shell Script

Web Technologies: HTML5, CSS3, JavaScript, PHP, Bootstrap, REST/SOAP

Databases and Data Visualization: MySQL, MongoDB, Tableau, PowerBI

Tools: AWS, GCP, JIRA, Confluence, Git, GitHub, Jupyter Notebook, Advanced Excel, Microsoft Office

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant - San Jose State University San Jose, CA	Jan 2020 - Present
• Mentor undergraduate students with projects and help with topics in Information Security and Artificial Intelligence • Aid professor in coursework design, grading, proctoring, and maintaining the course portal	

Software Engineer - Insculpt Technologies Pune, India	Jul 2018 - Jun 2019
• Led a team of 4 to design an interactive website using HTML5, Bootstrap framework, and JavaScript • Efficiently translated client requirements and issues, improving satisfaction and boosting resolution time • Utilized Agile software development and Test-driven development to build modules, improving efficiency by ~20% • Spearheaded end-to-end unit and integration testing, halving the testing time of modules	

Business Data Analyst Intern - Proceed Technologies Pune, India	Jun 2016 - Dec 2016
• Manipulated data using SQL queries utilizing aggregation and advanced joins for data analysis and extraction of extensive data • Collaborated with developers and product stakeholders to refine product features and intended functionality • Modified existing Python code to improve modularity, resulting in ~13% increase of code readability and reusability • Proactively designed analytical dashboards using Tableau to generate business insights and measure impact of KPIs	

ACADEMIC PROJECTS

Car Price Prediction Python, NumPy, Pandas, Scikit-learn	SJSU Spring 2020
• Performed Exploratory Data Analysis (EDA) to find patterns in Kaggle Vehicle dataset • Implemented Feature Sampling and Sensitivity Analysis to shortlist the strongest predictors • Evaluated performance of different machine learning algorithms such as Linear, Polynomial, Ridge, and Lasso regression to predict prices of used cars	

Real-time Object Detection in Low-light Images Python, OpenCV, Deep Learning, Amazon Web Services	SJSU Fall 2019
• Collaborated with classmates to combine EnlightenGAN with CLAHE and USM image filters to enhance low-light images • Performed object detection on these enhanced images using Faster R-CNN, CenterNet, and YOLO • Fine-tuned Faster-RCNN with transfer learning using 5000 enhanced COCO dataset images to achieve 75% low light object detection accuracy on Amazon EC2 Instance	

Key Management System Python, Cryptography, Encryption, Blockchain	SJSU Fall 2019
• Designed a Key Management System in Python to encrypt, divide, and store the private key of a Bitcoin wallet • Encrypted private key with AES and SHA256 in combination and then divided it using Shamir's Secret Sharing • Stored divided parts of private key by double encrypting them with DES3, RC2, and Blowfish encryption algorithms	