

SAWAN CHAKRABORTY

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SUMMARY:

Passionate Computer Science Graduate student at SCU with 1 year of work experience seeking internship position.

EDUCATION:

- **Master of Science, Computer Science and Engineering** GPA 3.65 / 4.0 Expected Mar 2025
Santa Clara University, CA, USA
- **Bachelor of Engineering, Computer Science and Engineering** GPA 4.0 / 4.0 Graduated July 2021
Visvesvaraya Technological University, Belagavi, India
- **Relevant Coursework:** Distributed Systems, Object Oriented Design, Data Structures & Algorithm, Database Management System, Mobile Applications, IoT, Big Data, Machine Learning, Enterprise Application Development

TECHNICAL SKILLS:

- Programming Languages** : Java, C, Python
- Web Technologies** : HTML5, CSS3, JavaScript, Bootstrap, Angular, SOAP & RESTful APIs, High Charts, JSON
- Frameworks** : Android, Arduino, Hadoop, Spring, Kafka, Selenium, Junit, Mockito
- Tools & Databases** : Maven, Git, AWS, Splunk, Apache Tomcat, MySQL, SQLite, Jenkins, Atlassian Tools

WORK EXPERIENCE:

- **Application Development Associate** Accenture Solutions Pvt. Ltd., India Jul 2021 – Apr 2022
 - Drove end-to-end new feature development and web service design, meeting critical business requirements in a collaborative team setting. Contributed to optimizing the performance of the Dyson Europe website through impactful proof-of-concept research.
- **Software Development Engineer Intern** Kigyan Techno Solutions, India Mar 2021 – Apr 2021
 - Contributed to the development of the "Retail Promotion Planning" module, successfully implemented video ad streaming on Android platforms and oversaw statistics.

ACADEMIC PROJECTS:

- **Web, Cloud – Amazon EC2 Instance Monitoring** (AWS API, Bootstrap, REST API, Twillio, High Charts)
Developed a real time dashboard for monitoring CPU, memory, network and disk statistics of logged-in user's EC2 instances. Implemented alert notifications when the instances experience high load greater than 80%.
- **ParkShare – Monetize and Discover Convenient Parking** (Android, Java, REST API, SQLite)
Built an innovative android app to facilitate monetization of underutilized parking spaces. Owners can rent out their available parking slots, while users can easily find out parking spaces they need.
- **COVID-19 Face Mask Detector and Live Tracker** (Python, Tkinter, Java, HTML5, Bootstrap JS, REST API)
Led a team of 4 during the pandemic to develop a Face Mask detector with 97% accuracy from live video streams and images. Created real-time global Covid-19 tracker dashboard with interactive statistics by countries and states.
- **SMS spam classification** (NLP, Neural Networks, SVM, KNN, Naïve Bayes, Decision Tree)
Implemented NLP and multiple classification algorithms to accurately classify SMS messages as spam or ham, providing comprehensive evaluation and analysis of model performance.

ACHIEVEMENTS & AWARDS:

- Conceptualized, developed, published and managed Android Apps with 10000+ downloads on Google Play Store.
- Awarded and sponsored by the **Karnataka State Council (Indian Institute of Science Campus)** for the undergraduate final year project, the "COVID-19 Face Mask Detector" during the 44th Series of Student Project Programme: 2020-21.
- Won 'Best Paper Presentation' for the research paper on "A COVID-19 FACE MASK DETECTOR" at the International Conference (Virtual) on "Applications of Artificial Intelligence and Computational Mathematics (AAICM - 2020)".