

# AISHWARYA JANARDHANA RAJUR

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## EDUCATION

**University of California, Santa Cruz** – Baskin School of Engineering

**Sep 2022 – Mar 2024**

Master of Science in Computer Engineering | Being awarded TA scholarship of \$6,000 every quarter

GPA: 3.9/4

Courses - Data Structures and Algorithms, Computer Networks, Distributed Systems, DBMS

**Visvesvaraya Technological University** – Global Academy of Technology

**Aug 2017 – Aug 2021**

Bachelor of Engineering in Electronics and Communication Engineering

GPA: 8.9/10

Courses – Operating Systems, Cryptography, Cyber Security

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## TECHNICAL SKILLS

**Programming Languages:** Python, C/C++, Java, SQL, HTML, Javascript.

**Tools/Platforms:** Jira, ServiceNow, webMethods, Flask, Hadoop, Confluence, Docker, Software AG.

**Others:** Git, AWS, Postman, MS Visual Studio, RESTAPI, PuTTY, Linux, Control-M, OpenCV.

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## EXPERIENCE

**Graduate Teaching Assistant - University of California, Santa Cruz, USA**

**Sep 2022 - Present**

*Skills: Python, Agile, MySQL, Systems Analysis and Design, Product Development*

- Supervised students on how to work with stakeholders to effectively identify the requirements to create structural and behavioral models of the system using UML Diagrams and also, taught a course on Product Development.
- Guided 100+ students teaching concepts on Databases (SQL), Computer Networks, and Cloud Computing.

**Software Engineer | DevOps team, Accenture - Bengaluru, India**

**Aug 2021 - Aug 2022**

*Skills: Java, RestAPI, JIRA, Hadoop, Linux, Confluence, Software AG*

- Automated file transfer events to avoid collision by deploying change management requests, which achieved precise and reliable results in the Managed File Transfer (MFT) software integration tool.
- Revamped several existing job events for 200+ file transfer interfaces in the webMethods integration tool using the CI/CD pipeline, which enhanced the file transfer events by 20%.
- Deployed 30+ file transfer events using the Control-M tool and optimized data processing workflows using Hadoop to handle large-scale file transfers efficiently, improving client satisfaction by 80%.
- Facilitated in an Agile environment and collaborated cross-functionally with other technical teams to monitor and resolve issues in and around the Sainsbury's (Retail) Integration team by being on-call.
- Led a team of 3 to deliver progress updates to the client and addressed a critical issue in the file transfer by accessing the backend API through the Managed Web Server(MWS) and manually modified the event using PuTTY and webMethods tool.

**Software Engineer Intern | R&D, Hynetic Electronics Pvt Ltd – Bengaluru, India**

**Jan 2021 – Mar 2021**

*Skills: C/C++, IoT, Arduino*

- Coded in C/C++ to control dimming of LED luminaries using 20+ RF Zigbee modules which, produced 60% less energy consumption in the Smart Street Light project.
  - Recognized by the senior manager for being the top intern and got the opportunity to shadow him.
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## PROJECT

**Data Dashboard with Visualization – Hackathon**

*Skills: Matplotlib (Python), Docker, PostgreSQL, Flask, HTML, JavaScript*

- Developed an interactive web-based dashboard using Docker that streamlined data analysis from the Postgres database, resulting in more efficient decision-making and reduced the time spent on data processing. The built dashboard allowed users to plot data in real time.

**Request Workflow Tracker**

*Skills: Python, MongoDB, Flask, Postman, Vue.js*

- Implemented a website to create, approve, cancel, or view requests, which required a chain of approvals and created an interactive frontend using Vue.js enabling mail notification and took actions from received mail using Sendgrid platform APIs.
- Designed backend with APIs and implemented identity and access management using MongoDB and Flask.

**Replicated Key-Value Store with Causal Consistency**

*Skills: Java, Docker, HTTP/REST, Vector clocks, Distributed Systems*

- Engineered a distributed key-value store which supported causal consistency, utilizing Java and Docker containerization.
- Achieved dynamic replica management through View operations and enforced causal dependencies through vector clocks, ensuring reliable and ordered key-value operations in distributed system.